

Job Req ID: 12121
Agency: ESA

Young Graduate Trainee for Engineering and Operations Support for REXUS-BEXUS



EUROPEAN SPACE AGENCY

Young Graduate Trainee Opportunity in the Director General's Services.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. We therefore welcome applications from all qualified candidates irrespective of gender, sexual orientation, ethnicity, beliefs, age, disability or other characteristics. Applications from women are encouraged.

Post

Young Graduate Trainee for Engineering and Operations Support for REXUS-BEXUS

This post is classified F1.

Location

ESTEC, Noordwijk, The Netherlands

Our team and mission

The ESA Academy, which is part of the ESA Education Office, is the Agency's overarching programme for university students from ESA Member States, Canada, Latvia and Slovenia. Through a tailored transfer of space know-how and interaction with space professionals, the Academy takes students through a learning path that complements their academic education.

The ESA Academy operates two interconnected pillars of activity: Hands-on Space projects, which enable students to gain first-hand experience of the end-to-end development of space-related projects (e.g. small satellites, experiments on a variety of platforms reproducing different levels of gravity conditions or of weightlessness conditions, experiments to be flown on sounding rockets, experiments to be operated on-board the International Space Station), and a Training and Learning Programme, which offers a portfolio of space-specific training sessions.

The ESA Education Office works in close cooperation with specialists from ESA and industry, and from university departments and other research organisations.

Information on the activities of the ESA Education Office can be found at <http://www.esa.int/Education>

Candidates are encouraged to visit the ESA website: <http://www.esa.int>

Field(s) of activity/research for the traineeship

The REXUS/BEXUS (Rocket/Balloon Experiments for University Students) programme enables students from universities and higher education colleges across Europe to carry out scientific and technological experiments on research rockets and balloons. Every year, two rockets and two balloons are launched, carrying up to 20 experiments designed and built by student teams.

You will help coordinate the hands-on project activities conducted by the university student teams participating in the REXUS/BEXUS programme. Working closely with representatives of the programme partners (space agencies and centres, industry, launch providers) you will, with guidance from your ESA mentor, provide support to student teams developing experiments from selection (concept) through to design, fabrication, testing, launch and post-flight activities.

Specific tasks will include:

- periodic review of experiment technical (experiment design/operation) and project management documents;
- tracking teams' technical progress between formal reviews;
- interfacing with ESA technical experts;
- assistance with logistical arrangements for reviews, integration and test events, launch campaigns and workshops;
- ensuring the effective dissemination and utilisation of experiment results;
- direct support to teams and programme partners at project-related events, including launch campaigns, in the form of both hands-on support and delivery of presentations;
- contributing to the overall development and maintenance of the programme, including its website, social media and other outreach aspects;
- helping develop the programme schedule and maintaining key programme databases.

You may also be involved in additional technical and managerial tasks to further develop the programme. Moreover, you may be asked to assist with other Education Office activities and projects, such as the Fly a Rocket! programme.

Technical competencies

Knowledge of relevant technical domains

Relevant experience gained during internships/project work

Breadth of exposure coming from past and/or current research/activities

Knowledge of ESA and its programmes/projects

Behavioural competencies

Result Orientation

Operational Efficiency

Fostering Cooperation

Relationship Management

Continuous Improvement

Forward Thinking

Education

You should have just completed, or be in your final year of, a university course at Master's level in a technical or scientific discipline.

Additional requirements

You should have good interpersonal and communication skills and should be able to work in a multi-cultural environment, both independently and as part of a team.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

During the interview motivation and overall professional perspective/career goals will also be explored.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

The closing date for applications is 28 March 2021.

At the Agency we value diversity and we welcome people with disabilities. Whenever possible, we seek to accommodate individuals with disabilities by providing the necessary support at the workplace. The Human Resources Department can also provide assistance during the recruitment process. If you would like to discuss this further please contact us at contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, and the United Kingdom. Nationals from Latvia and Slovenia, as Associate Member States, or Canada as a Cooperating State, can apply as well as those from Bulgaria, Cyprus, Lithuania and Slovakia as European Cooperating States (ECS).

Priority will first be given to candidates from under-represented Member States.

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment