

Job Title: Young Graduate Trainee for Cost Engineering

Req ID 3983 - Posted 19/01/2018



EUROPEAN SPACE AGENCY

Young Graduate Traineeship Opportunity in the Directorate of Technology, Engineering and Quality.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

Young Graduate Trainee for Cost Engineering

This post is classified F1.

Location

Noordwijk, Netherlands (NL)

Our team and mission

The main activities of the Systems Engineering and Support Division are:

1. Provide cost engineering support, tools and estimation to ESA projects,
2. Provide system engineering support to projects in various phases of development,
3. Conduct R&D activities related to system engineering methodologies and tools,
4. Manage and provide technical support to small spacecraft projects for technology demonstration including preparatory activities (feasibility studies, pre-developments, ...),
5. Manage and provide technical support to small projects for in orbit technology demonstration (instruments, payloads, ...),
6. Manage the Concurrent Design Facility (CDF) and perform Phase 0 and support activities for ESA projects.

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

Field(s) of activities

The traineeship opportunity is within the Cost Engineering Section which deals in priority with the above-mentioned task 1.

The Cost Engineering Section is maintaining a Technico-economic database that constitutes the backbone of the cost modelling capabilities. For this reason, it is absolutely necessary to keep prices and technologies references as up to date as possible.

The Young Graduate Trainee (YGT) will be responsible to implement these references for recent projects this will consist in:

Gathering and processing all necessary information:

- Financial data
- Technical cost drivers
- Schedule information, development plan.

Conduct interviews with technical specialists, Project Controllers and Project Managers:

- Interviewing Technical specialists
- Gathering the data (cost, programmatic, technical) Participate to Data Validation and Endorsement process.

Furthermore, the YGT will contribute to data mining activities over the Internet using data mining / machine learning tools, bringing his own skills in the domain or contributing to the development of ongoing initiatives.

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

Self Motivation

Communication

Continuous Learning

Cross-Cultural Sensitivity

Teamwork

Education

Applicants should have just completed, or be in their final year of a University course at Masters Level (or equivalent) in aerospace engineering, electrical engineering, telecom engineering and/or cost engineering background.

Additional requirements

Due to current field of developments in cost modelling, preference shall go to candidates able to exhibit sufficient knowledge in electrical and/or telecom engineering.

Already acquired competences in data mining will also be an asset.

Applicants must be fluent in English and/or French, the working languages of the Agency. A good proficiency in English is required. Knowledge of another Member State language would be an asset.

In addition to the above competencies, applicants should demonstrate good interpersonal skills and the capacity to work both independently and as part of a team.

During the interview the candidates' 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 04 February 2018.

If you require support with your application due to a disability, please email 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 UK, or Slovenia as an Associate Member, Canada as a Cooperating State, Bulgaria, Cyprus, Latvia, 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