The European Organisation for Astronomical Research in the Southern Hemisphere (ESO) is the foremost intergovernmental astronomy organisation in Europe and the world’s most productive ground-based astronomical observatory. ESO carries out an ambitious programme focused on the design, construction and operation of powerful ground-based observing facilities enabling astronomers to make important scientific discoveries.

ESO operates three unique world-class observing sites in northern Chile: La Silla, Paranal and Chajnantor (home to ALMA and APEX), and the ESO Headquarters are located in Garching, near Munich, Germany.

At Paranal, ESO operates the Very Large Telescope, the world’s most advanced visible-light astronomical observatory, and will host and operate the southern array of the Cherenkov Telescope Array, the world’s largest and most sensitive high energy gamma-ray observatory. ESO is a major partner in ALMA, the largest astronomical project in existence. And on Cerro Armazones, ESO is building the 39-metre Extremely Large Telescope (ELT), which will become “the world’s biggest eye on the sky” and whose operations will be fully integrated into the Paranal Observatory.

For ESO’s Electronic Engineering Department within the Directorate of Engineering at the ESO Headquarter in Garching, near Munich, Germany, ESO is advertising the positions of

**Electronic Technician**

This is an exciting opportunity to work with a team of international, friendly and motivated professionals at the Electronic Development and Workshop Group Electronic Developments, Lab Facilities & Workshop Group within the Electronic Engineering Department. ESO’s Electronic Engineering Department comprises 31 Electronics/Electrical engineers and technicians, who are responsible for the definition, design or follow-up, manufacturing and implementation of control systems for optical and infrared astronomical instruments and telescope systems. The Department is part of the Directorate of Engineering and is based at the ESO Headquarters in Garching near Munich, Germany.

We are looking for two technicians who can work in close cooperation with engineers to respectively: 1) support activities in the Electronic Workshop; and 2) support the cryogenic integration activities and maintain our laboratory infrastructure. With their particular skills, the technician is a valuable feedback provider for the engineer in terms of construction feasibility and implementation and repair alternatives.

**1st Position: Main Duties, Responsibilities and Required Competencies:**

- Professional cabinet construction & reliable cable confection
- Board repair and population of through-hole and SMD parts
- Assembling, testing and commissioning of electronic assemblies
- Usage of basic electronic labour test equipment and tools
- Maintain suppliers contacts and manage internal procurement processes
- Keep communication during the manufacturing process with design engineers
- Using ESO’s electronic CAD tools
- Sharing the responsibility for the As-Build documentation with the design engineer
- Organising stock-keeping of the Electronic Workshop.
2nd Position: Main Duties, Responsibilities and Required Competencies:

- Assist in maintaining our laboratory infrastructure.
- Organization of servicing and regular maintenance of lab equipment.
- Preparation of test-equipment and simple setups
- Integration of non-critical cryostat mechanics
- Use of basic laboratory test equipment
- Stock-keeping and purchase order management
- Contact suppliers, manufacturers and vendors
- Support on laboratory refurbishments when required
- Good communication skills and strong teamwork spirit
- Ability to work autonomously and willingness to learn

Reports to:

Head of Electronic Developments, Lab Facilities & Workshop Group of the Electronic Engineering Department within the Directorate of Engineering.

Qualifications:

Apprenticeship in the electrical field or equivalent educational level.

Language skills:

The position requires a good command of English (written and spoken). German and Spanish would be an asset.

Remuneration and Contract:

We offer an attractive remuneration package including a competitive salary (tax free), comprehensive pension scheme and medical, educational and other social benefits, as well as financial help in relocating your family and the possibility to place your child/children in day care.

The contract is for a fixed term duration of three years, and is subject to successful completion of the probation period. There is a possibility of extension(s) subject to individual performance and organisational requirements, as defined in the applicable policies and staff rules and regulations. Please note that the contract policy and in particular the regulations concerning fixed-term and indefinite contracts are currently under review which may lead to changes in the contractual conditions applicable to the position. For any further information, please visit [https://www.eso.org/public/jobs/conditions/intstaff/](https://www.eso.org/public/jobs/conditions/intstaff/)

Duty Station:

Garching near Munich, Germany with occasional duty trips to all ESO sites in Chile, depending on projects requirements.
Career Path: II

Application:

If you are interested in working in areas of frontline science and technology and in a stimulating international environment, please visit http://www.eso.org for further details.

Applicants are invited to apply online at http://jobs.eso.org/. Applications must be completed in English and should include a motivation letter and CV. Within your CV, please provide the names and contact details of three persons familiar with your work and willing to provide a recommendation letter upon request. Referees will not be contacted without your prior consent.

Deadline for applications is 7 November 2022.

Interviews are expected to be held soon afterwards.

ESO Values

An important element in any successful employment relationship is harmony in values between an organisation and its people.

The ESO Values are:

ESO strives for excellence through innovation.

ESO provides outstanding services to its communities.

ESO fosters diversity & inclusion.

ESO believes in the key role of sustainability for its future.

Achieving the above are recognized as only possible on the basis of personal values and attitudes that we expect from our employees: respect, integrity, accountability, commitment, collaboration, and clear & open communication.

Applicants to any ESO role are asked to reflect on their affinity with these values and advised they may be asked about them if called for interview.

Diversity

ESO has established diversity as an important value of the Organisation, is committed to providing an equal opportunities environment and is actively seeking to promote a diverse, equitable and inclusive workforce.

Nationality

No nationality is in principle excluded from employment at ESO, however, recruitment preference will be given to nationals of our Member States, host states and strategic partners: Australia, Austria, Belgium, the Czech Republic,
Denmark, Finland, France, Germany, Ireland, Italy, the Netherlands, Poland, Portugal, Spain, Sweden, Switzerland, the United Kingdom and Chile, irrespective of gender, age, disability, sexual orientation, ethnicity or religion.