



Titulo puesto: Tecnología de Vacío

Curso: 2023-24

División: Ingeniería

### Descripción del proyecto:

This is a Vacuum Project Engineer position at the Transversal Section in the Engineering Division. The main function is the Operation, Maintenance, design, and development of the Vacuum Systems at the ALBA facility. Design new development Vacuum Systems, vacuum profiles and structural vacuum design like chambers.

- Participate in technical design studies and conceptual designs of vacuum systems for the accelerator and the beam lines.
- Participate in technical design studies and conceptual designs of vacuum chambers systems for the accelerator and the beam lines.
- Production of lay-out drawings these systems.
- Production of technical specifications and costs estimations.
- Production of associated drawings to the technical specifications.
- Follow-up of the tendering process.
- Production follow-up, installation and commissioning of above mentioned vacuum systems.
- Participate in the vacuum systems and chamber design and construction.
- Participate in the vacuum systems and chambers prototype production follow-up.
- Supervise the installation of vacuum systems in test facilities.
- Give support to the Warehouse and Storage organization.
- Give support to the vacuum Maintenance program.

### Perfil del estudiante:

**Industrial Engineering student** in the Fluidtechnics specialization, mechanics, or equivalent interested in Ultra-High Vacuum technologies for scientific equipment and instrumentation applications especially in particle accelerator, beamlines and/or synchrotron related technologies. In addition, **Materials or Chemistry engineering and nuclear** specialties would be considered.

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