Titulo puesto: Diseños mecánicos para aplicaciones de luz de Sincrotrón
Curso: 2023-24
División: Ingeniería

Descripción del proyecto:

This is a Project Office group Project Engineer position at Transversal Section in the Engineering Division. The main function is the design of accelerator and beamlines equipment and instrumentation design. This is high precision mechanics, positioning systems and mechatronics instrumentation which typically requires the integration of many other technologies like Ultra high Vacuum environment, cryogenics, opto-mechanics, etc…
In detail the tasks will be:

- Participate in technical design studies and conceptual mechanical designs of high precision mechanical devices for accelerator and beam lines instrumentation and equipment.
- Production of lay-out drawings these equipment's.
- 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 equipment.
- Participate in the design and construction of equipment
- Participate in the prototype production follow-up.
- Supervise the installation of equipment in test facilities.

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Perfil del estudiante:

Industrial Engineering student in the **mechanics specialization** or equivalent interested in the high precision mechanical design and generally design and development of scientific equipment and instrumentation for particle accelerators or synchrotron related technologies or equivalent like mechatronics, etc…

Tutor: Alejandro Crisol

Responsable División: Joan Casas

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