

Electronics Hardware Trainee Engineer

Design and Engineering Services

The Company

Celestica is a Canadian company, world leader in the electronic manufacturing sector. The plant in **Valencia** focuses its activities in the **Aerospace, Industrial and Healthcare** areas, producing and assembling high complexity products.

The main **differentiator** in Valencia facilities are its **design capabilities** and the various engineering services that it can provide to its customers, creating a differential value beyond the regular electronic manufacturing services.

The Team

The D&ES team is composed by more than 20 specialist engineers: electronics, software, mechanics... that, in the end, build a multiskilled team able to carry on (almost) any kind of development projects, specializing in the development electronic systems for both its customers (mostly international) and the production line within the factory.

The Skills

- Knowledge on **electronic circuit design**. Component selection criteria and knowledge on their critical parameters. Datasheet evaluation. Ability to read and compose complex electrical diagrams both digital and analog.
- Knowledge on electronic circuits **analysis** and verification, design of experiments and acceptance test procedures.
- Knowledge on the use of any **circuit design software** (OrCad, Eagle, Altium...).
- Knowledge on the use of any **PCB layout** tool.
- Extensive knowledge on the use of regular **laboratory instrumentation** such as multimeters, power supplies, oscilloscopes, spectrum analyzers, etc...
- **Basic programming** knowledge.
- **Fluent in English**, both written and oral.
- Familiar with the use of do-it-yourself platforms: Arduino, Raspberry, Beaglebone...



The Job

The student will collaborate in different hardware design activities related with the on-going projects, always under the guidance and supervision of the responsible engineers. This will allow the student to acquire and consolidate an extensive set of abilities in electronics product and test system design at various levels.

Tasks to be performed will be related to electronic circuits design and analysis: electrical diagrams, component selection, PCB Layout, simulations, measurement and trials, evaluation of different design options and reference designs, etc...

The student will also participate in the building of the needed prototypes for design verification and the development of the needed software and documental routines making use of the adequate laboratory instruments and equipment.

She/He will participate as one of the components of the development team, contributing with her/his point of view and proposing solutions and alternatives aimed to overcome the different challenge that a development project present.

