

**ESPA****Electronic Engineering Internship** (TECEE0712)[Apply here](#)**Start date**

April 2022

Duration

6 months

Languages

Good spoken and written English levels are required
(B2 onwards)

Location**Glasgow, Scotland.**

In the last few decades Glasgow has seen a remarkable transformation from traditional heavy industries such as shipbuilding and steel works to world-class semiconductor, optics and electronics companies developing highly innovative technologies. Scotland's biggest commercial city, Glasgow, offers unlimited nightlife, shopping, and dining out. For outdoor types, Loch Lomond and Trossachs National Park are within easy reach. Whatever your tastes, you won't get bored here!

Are you eligible?

Are you a registered student?

Or

Are you eligible to participate in the Erasmus+ programme?

Benefits

See website for details of all ESPA benefits. For all internships over 6 months, additional benefits will be paid. Details available at interview.

Role

This is a superb opportunity for an electronic engineering student, to gain hands on experience, at this world leader in thermoelectric energy harvesting and power electronics. Mentored throughout by Ph.D. level engineers, you will support and assist in the design and development of technology demonstrators and prototype designs for a wide range of applications. You will have a high degree of autonomy in your day-to-day work and following individual projects and design ideas is encouraged. If you have the skills, then apply today for this truly rewarding project and a great addition to your CV.

Tasks

- Within a team, develop technology demonstrators, reference designs and evaluation kits
- Contribute to producing high-quality supporting documentation, such as datasheets and application notes, from experimentation, analysis, and evaluation
- Interact between customers and internal engineering teams
- Produce and interrogate technical reports, to research and identify problems, progress, and achievements and communicate to the team
- Meet agreed schedules of key deliverables that are of high quality, reliable and fit for purpose

Desired Skills

- Studying for a degree in Electronic Engineering or similar
- Low frequency / low speed / high current PCB circuit design and layout
- Familiar with bench testing of mixed-signal circuits using standard lab test equipment; PCB rework; trouble shooting and root cause analysis
- Experience of embedded software development, e.g., C/C++ on Arduino
- Experience of scripting and/or software programming for tests, e.g., Python
- Familiar with CAD, thermal management of electronic systems and switching power supplies

The Host Company

The host is a technology company specialising in semiconductor cooling, bespoke electronic control systems and sophisticated electronic and thermal system control. The company has a very flexible working environment and is constantly developing one-of-a-kind instruments and control systems for a wide range of industrial applications. You will join their world-class R & D team.