

Job Title	Advanced Packaging Intern
Grade	£25,552.80
Location	Newport
Employment Type	☐ Permanent ☒ Fixed Term ☐ Agency/Contract
Hiring Manager	Head of Advanced Packaging
Reports to	Engineering Manager Packaging

Job Summary:

As an Advanced Packaging intern, you'll be working within a team of talented engineers to gain hands-on experience in semiconductor packaging process including package design, package assembly, integration simulation and testing. The Internship will last one year and throughout that year you will be expected to develop and learn whilst laying the foundations for a successful career in engineering.

During the year the intern will work closely with their mentor and shadow the engineers. They will assist in the production of samples and prototypes and participate in project work both in the lab and in the office at Catapult's Innovation Centre., Additionally, the intern will learn to use CAD and simulation software, with opportunities to further develop these skills. The intern will also contribute to live projects and engage in STEM activities throughout the year.

The intern will report to the Engineering Manager Packaging, support the wider team and will exemplify the behaviours and values of the Catapult of collaboration, innovation, and trust.

They should develop excellent team working skills, working collaboratively and cooperatively with colleagues, and should be able to communicate to other team members in an encouraging and supportive way.

Key Responsibilities:

- Learn packaging processes and use CAD and simulation software at CSA Catapult's Innovation Centre.
- Shadow engineers in the lab to understand the key activities
- Assist in development and qualification of advanced prototyping methods
- Work closely with our engineers on a day-to-day basis where subtasks related to design, lab work and prototyping will be given
- Capture and document project requirements and specifications
- Perform and implement activities in the labs at CSA Catapult's Innovation Centre
- Technical reporting to project team
- Adhere to the company's standards and confidentiality.
- Attend regular team meetings

Accountability:

- Ensure technical deliverables on projects and research activities are of high-quality working closely with the Project Technical Lead. Deliverables should be evidenced, and progress reported regularly to a Senior Engineer.
- Ensure appropriate risk assessments have been completed for the technical tasks and lab work that the Intern is working on to be approved by a Senior Engineer.

Experience

Expected Experience

- Good understanding of their engineering subjects and knowledge
- A desire to learn and develop.
- Enthusiasm, drive, commitment: manage your own workload and use your initiative.

Desirable Experience

- Proficient in Microsoft Office products

Qualifications:

Undergraduate studying a degree in Electronic & Electrical Engineering (EEE)/ Mechanical Engineering/Materials Engineering or equivalent in related engineering and science field.

Managerial & Supervisory:

The intern will be offered mentorship throughout their internship.

The intern will work alongside other engineers and lab technicians as part of an integrated project team to deliver technical work packages.

Key relationships

Internal Relationships

- Report to and support the Engineering Manager for Packaging – reporting project progress and supporting capability development
- Engineering and Technology Team – work alongside other engineers in a collaborative and supportive way

External Relationships

- On collaborative Research & Development programmes the intern will develop working relationships with the respective project lead of the programme

Autonomy:

Perform technical activities whilst in close consultation with their mentor, Project Technical Lead and Engineering manager

Pressure and Working Environment

- Work is of technical nature that requires a level of effort and concentration
- Project deadlines may mean extra time and effort is required at key moments
- Work is split between the office and the lab with a higher effort expected in the lab. The Engineer may work from home depending on workload and in line with company policy
- The intern may be required to work on multiple projects at once maintaining progress and quality

Authority and Risk:

- Provide technical inputs on projects to the Project Technical lead and Head of Technology to ensure quick and accurate decision making
- Ensure risk assessments have been completed for the technical tasks and lab work that the Intern is working on to be approved by their mentor.

Behaviours

- Demonstrate the Catapult behaviours by being inclusive, challenging, and supportive.
- Exemplify the Catapult values of collaboration, innovation, and trust.