

- Job title:** Summer Placement – Materials Science
- Location:** Wotton-under-Edge, Gloucestershire GL12 8JR
- Duration:** Placements are from June to September for a minimum 8-week, maximum 12-week period
- Salary:** £18,000 pro-rata

### Overview

This placement will be within our Materials Analysis and Research departments which function as a global service to all of Renishaw's Product Divisions.

This role will involve working as part of a team as well as individually to problem solve and suggest solutions where material characteristics appear to be the cause. The successful candidate will be expected to carry out analytical material analysis techniques, provide engineering material property advice, selection and provide laboratory support.

### What will I be doing?

The responsibilities of this role will include:

- Analysis of customer returns or production issues occur where material characteristics appear to be the cause. Relevant tests and analytical techniques may be proposed that would help to identify the root cause of these problems and recommend solutions.
- Identification and analysis of unknown materials, failure types and causes using methods such as optical microscopy and scanning electron microscopy (EDX and EBSD), Raman spectroscopy, FT-IR and X-ray CT as well as other destructive analytical mechanical testing methods and equipment.
- Provide laboratory support to specialist materials science teams.
- Discuss any materials related issues, including metals and their alloys, polymers, ceramics, coatings and biomaterials that could be used to enhance current products or develop new ones.
- Provide material selection advice in the early stage of new product development projects starting from concept feasibility.
- Carry out short term research and development activities to investigate material properties, processes and how to apply these to current or new products

### What skills and experience do I need?

Ideally you will be studying for a degree in Materials Science/Materials Engineering or equivalent discipline and have:

- an understanding of manufacturing technologies, processes and materials selection for engineering applications
- proven aptitude for problem solving and the ability to develop solutions for complex problems
- analytical skills to support material analysis, identification and fault finding
- excellent written and verbal communication skills.

### Where will I be working?

This role is based at our New Mills headquarters near Wotton-under-Edge in Gloucestershire, you may on occasion be required to travel to other Renishaw sites for work. As Renishaw is based in a semi-rural location, it is essential that applicants have their own form of transport or be willing to relocate to the local area.