



## JOB DESCRIPTION

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**Job Title:** Scientific Software Engineer – C++ (1 Year Fixed-Term Contract)

**Group:** Materials Science

**Salary Band:** TBC

**Reports to:** TBC

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### ROLE PURPOSE

The post holder will help to develop, release and support software at the CCDC, working within the Materials Science Team. The successful applicant will be primarily working to incorporate new tools, developed through a large-scale project on pharmaceutical development and manufacture, into our existing desktop software. The successful applicant will work with scientists and software developers from the CCDC and the wider project team to:

- Develop emerging scientific methods into robust features that expand the CCDC's existing Materials Science software suite
- Streamline and integrate existing tools into CCDC software to provide a consistent user experience

The post requires a versatile software engineer with C++ experience who is willing to work on a wide range of CCDC software products. They must also be highly motivated, able to work independently, and have good communication skills.

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### MAIN DUTIES AND RESPONSIBILITIES

1. Develop scientific software, including visualisation and analysis of structural data.
2. Provide user access to CCDC code and data through the development of:
  - Object oriented C++ libraries
  - Qt Graphical User Interfaces



3. Release and maintain software for installation and use both internally at CCDC and externally by users
4. Adhere to software development practices and standards adopted at CCDC

This job description and person specification are only an outline of the tasks and responsibilities required for the role. The job holder will carry out any other duties as may be reasonably be required by their line manager.