



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Electrical Services Design Engineer, Facilities Directorate



Salary: Grade 6 (£27,511 – £32,817 p.a.)

Reference: FDEST1148

Closing date: 13 October 2019

Electrical Services Design Engineer Facilities Directorate

Are you a skilled Electrical Services Design Engineer who would like to join a growing team? Do you enjoy problem solving and applying your knowledge to design electrical services? Are you working towards or do you have Chartered Status of a professional institution like CIBSE or IET?

Based in Estate Services, part of the University's Facilities Directorate, which provides and manages the physical environment in which staff and students work, live and learn you will support the Senior Electrical Engineer in delivering high quality outputs.

You will be responsible for carrying out feasibility, design, specification, tendering, cost control and site monitoring of electrical projects and installations in a 'live' campus environment for refurbishments and some new builds.

The individual shall have experience of electrical building services systems design and working towards achieving or have Chartered Status.

The role involves working within an internal multi-disciplinary design team including architects, interior designers and a mechanical engineer towards delivery of predominantly refurbishment works projects on a 'live' University campus.

You will possess excellent communication and interpersonal skills and have the ability to interact with people at all levels, establishing and maintaining effective working relationships. You will have excellent organisation skills and the ability to prioritise competing demands and meet strict deadlines. You will also be self-motivated, proactive and have the ability to work independently as well as within a team or group.

You must be proficient in AutoCAD drawing and will be required to produce your own design drawings in CAD. Qualifications and experience in building information modelling (BIM) including use of Revit would be advantageous. You will be required to work flexibly to support planned and emergency out of hours working during, for example, disconnections, shut-downs.



You must be proficient in the use of electrical building services system calculations using the following types of software: Dialux for lighting & Amtech for Low Voltage Distribution.

What does the role entail?

As an Electrical Building Services Design Engineer, your main duties will include:

- Responsibility for providing Electrical Building Services Designs and support for predominantly refurbishment projects and some small scale new build projects;
- Responsibility for carrying out feasibility, design, specification, tendering, cost control and site monitoring of electrical projects and installations in a 'live' environment;
- Liaising with colleagues and external stakeholders in obtaining the necessary approvals and incorporating information as required into the design (for example consulting with University Fire Officers);
- Production of high quality information and documentation to support assigned projects at all stages of the project lifecycle;
- Production of high quality design information to fully describe the electrical works for the purpose of contractors producing works quotations (including calculations, drawings, technical specifications, cost estimates etc);
- Responsibility for undertaking cost and quality planning and control for all electrical elements of the works;
- Ensuring as far as reasonably possible the safe delivery of the electrical works on-site, in compliance with statutory and University Health and Safety requirements and industrial best practice, including producing site visit reports, issuing permits to work, etc;
- Witnessing testing of electrical systems and review of test certification for example NICEIC test certificates.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As an Electrical Building Services Design Engineer you will have:



- Strong academic background and qualifications including a Degree or equivalent qualifications which would typically be accepted for a Chartered Status application;
- Working towards or have Chartered status with Professional Institution (E.g. CIBSE, IET);
- Competent with attention to detail and experience of working in a large or complex organisation successfully delivering electrical building services design activities (e.g. fire detection and alarm, emergency lighting, etc);
- Proficiency in AutoCAD drawing to produce your own design drawings;
- Ability to use electrical building services system calculations using Dialux for lighting and Amtech for Low Voltage distribution software;
- An awareness of Health and Safety regulations, with the ability to comply with organisational safety requirements and take a responsible approach to managing, mitigating and avoiding risk (for example asbestos awareness);
- Problem solving skills, with experience of using your own initiative to assess, diagnose and apply appropriate solutions to problems;
- The ability to adjust to different conditions, technologies, situations and environments;
- Excellent communication skills with the ability to work as an effective team member and to establish and maintain effective working relationships;
- Strong organisational skills with the ability to prioritise competing demands and meet strict deadlines;
- Commitment to demonstrate behaviours in line with the University's values.

You may also have:

- Qualification and experience in Building Information Modelling (BIM) including use of Revit.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information. Applications should be submitted by **23.59** (UK time) on the advertised [closing date](#).

Contact information

To explore the post further or for any queries you may have, please contact:



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Additional information

Working at Leeds

Find out more about the benefits of working at the University and what it's like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found in our [Accessibility](#) information or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records](#) information.

