



**London
South Bank**
University

EST 1892

Building Services Engineering Site Management

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(Note these standards are to be approved by government.
If they are approved before September 2017, LSBU will
provide them from September 2017)

Apprenticeship

Level 6

Levy Funded

Job role

The occupation covered by this standard is that of Building Services Engineering Site Management. Building Services are environmental systems in buildings such as electrical power, air conditioning, heating and lighting. Building Services Engineering Site Management staff lead the installation of complex environmental systems in construction projects. Typical job titles can include: Assistant Building Services Engineering Site Manager, Building Services Installation Manager or Project Engineer.

Duration

4yrs in total including end point assessment.

Academic award

Building Services Engineering BEng (Hons).

Programme description

This Apprenticeship will cover the following modules:

- Advanced engineering mathematics
- Refrigeration, air-conditioning and heat pump engineering
- Integrated building design
- Project and business management
- Electrical services in buildings

- Thermofluids engineering
- Energy management and controls
- Passive building design

Two modules from the electrical or mechanical route

- Electrical Route
- Electrical power systems and distribution
- Lighting and electrical systems
- Mechanical Route
- Heat and mass transfer applications
- Thermal energy systems

- Major project

Employer commitments

All apprentices must have a contract of employment for the duration of their apprenticeship and they should be contacted to work a minimum of 30hrs per week including time spent in University and must be paid at or above the apprenticeship minimum wage.

Employers must provide evidence (employment contract & Job Description) that their apprentices' job role covers the approved occupation set out in the standard. In addition the apprentices' day-to-day work needs to encompass the core knowledge, skills and behaviours set out in the standard.

Employers will also need to ensure that they are in a position to support and mentor their apprentice through their studies to the gateway to their end-point assessment.

Once this standard assessment plan is approved LSBU will provide further details of the employer commitments.

Entry requirements

- Level 4 Higher Apprenticeship - Building Service Engineering Technician
- Cognate Level 4 Qualifications in Building Service Engineering
- GCSE Maths and English A-C or Equivalent

Assessment

Assessment of the academic element of this apprenticeship will consist of course work, exams and timed assessments. There will be formal lectures, study guides, course notes, directed reading, class tutorials, assignments and small-group projects.

End point assessment

The assessment plan for this standard has yet to be approved. We anticipate that the EPA will include professional registration with an appropriate professional body.

Cost

The cost will be to the funding cap which is expected to be £24,000 (TBC) which will be broken down as follows:

Levy Payers = £24,000, charged monthly via digital apprenticeship service
Non-Levy Payers = £2,400, (Government funds 90% the employer funds 10%).

Employers with less than 50 staff sending an apprentice aged 16-18 will have 100% of the training costs paid via the levy.

All employers that employ an apprentice aged 16-18 will receive a £1,000 incentive from government.

Enrolment date

September 2017.

Further information

Please contact the LSBU Apprenticeships Team

apprenticeships@lsbu.ac.uk

020 7815 7324

[Apprenticeship standard](#) *(the Assessment Plan is awaiting government approval)*

[Apprenticeship Employment Guidelines](#)

[Apprenticeship Evidence Pack Guidance](#)