



TITLE	Foundation Degree in Building Services Engineering (FdEng)		
LEVEL	Level 4 and Level 5		
CODE	H3907	DURATION	3 years This is a Part-Time Course
LOCATION	Langley		

The **Foundation Degree in Building Services Engineering (FdEng)** will give students the opportunity to continue their professional development within their chosen career whilst continuing to work. It is designed for students who are already in full-time employment as an alternative to a traditional academic degree. It is delivered in partnership with employers to mix academic study with workplace learning. It equips students with the relevant knowledge, understanding and skills to improve their performance and productivity. Students have the opportunity to obtain valuable work experience and workplace skills at the same time as studying for the technical qualification.

The **FdEng** supports the government's strategy to increase the number of technically skilled people with an appropriate qualification and relevant work experience. 25% of the course includes work-based learning and assessment.

Who is this course for?

This course is for you if you are working and would like to develop your technical, management and communication skills that will help you to work effectively as a member of a team involved in the design of building services. The course covers a wide range of building services including both mechanical and electrical services, energy conservation and environmental impact. Management and communication skills are also given high priority throughout the course.

What are the benefits of doing a Foundation Degree?

- Provides a vocational qualification whilst obtaining work place experience.
- Includes work-based learning modules and work-related assessment.
- Credits prior certificated or experiential learning.
- Allows part-time students to "learn and earn".
- Offers a pathway to Honours degree course at London South Bank University.
- Assessment through combinations of coursework, examination, report and evidence.
- Enhance prospect of career progression

Where would the Foundation degree lead?

The FdEng is designed for students who wish to enter the industry in areas such as design and build, consultancy and facilities management. The course aims to develop building services engineers who are educated to a level slightly higher than the traditional HND, and who will have a skill set comprising technical, management and communication skills that are essential for effective team working and project management in the design of building services.

Successful students gain employment in the design and construction, and consulting engineering sectors of the building services engineering industry as well as in maintenance and facilities management. Major projects such as the 2012 Olympics and the raised focus on the environment and sustainable technologies is likely to increase the demand for future employees who have developed skills in these areas.

Successful completion of the Foundation Degree in Building Services Engineering (FdEng) allows progression to a BSc (Hons) in Building Services Engineering. The BSc (Hons) fully meets the academic requirements for associate membership of the relevant professional bodies.

Course Units

The course consists of a total number of 16 units. 4 of these are 'worked-based' (i.e. evidence gathered from the work

place.

Year 1 Units

- Engineering science
- Foundation engineering mathematics
- Professional skills (Work Based)
- Design Applications (Work Based)
- Building services systems (Work Based)

Year 2 Units

- Thermofluids
- Mathematical techniques for engineers
- Thermal Environment
- Heating Ventilations and Water Services
- Electrical Principles
- Electrical Principles or Thermofluids

Year 3 Units

- Air Conditioning and refrigeration
- Electrical Services for Buildings
- Design Applications (Work Based)
- Acoustics and Lighting
- Principles of Management for Engineers

Am I qualified?

The course is designed to attract students who may not have traditional academic entry requirements for university as well as those who do. We welcome applications from potential students who have gained relevant skills through a wide range of vocational qualifications or experience. We also welcome mature employees with vocational experience within the building services industry.

At interview, our admissions tutors will be keen to discuss your motivation, commitment, aptitude and potential for study. It is also essential that you can demonstrate a good standard of maths or numeracy, communication and IT, along with a sound knowledge and interest in the subject area for which you're applying.

How can I apply?

You should apply directly to East Berkshire College.

The course is monitored and moderated by LSBU according to LSBU's academic standards. Students at East Berkshire College will be regarded as a student of LSBU in terms of access to learning resources, assessment for award, external examiner arrangements.