

# ARE YOU



TRAFFORD  
COLLEGE

# COLLEGE READY?

## What is Building Services Engineering?

Building Services Engineering is an integral part of the construction industry. Building Service Engineers will provide advice and guidance initially at the design stage and then through the installation of a building, in respect of the services within it, such as water, lighting, heating, air conditioning, lifts, and telecoms to ensure that they are energy efficient and cost effective. The Building Service Courses we run can lead to careers as a Building Services Engineer, Architects etc.



## College Ready Tasks:



### TASK 1

Research a range of job roles within the Building Services Engineering field and the other types of employment multi-discipline employment opportunities.



### TASK 2

Research materials are an increasing important aspect on any new construction project. Research what happens to a variety of materials when the building becomes unfit for purpose i.e. demolition.



### TASK 3

Research how modern insulation assists with the local and global environments.



### TASK 4

Research the role Building Services Engineering has in ensuring the different services involved within buildings are monitored to ensure they are energy and cost efficient.



### TASK 5

Health and Safety is extremely important, so please research the different regulations that ensure construction operative safety and the different types of personal protective equipment on site.



Use these websites to help you with the tasks below and develop your understanding of the sector:

[www.cibse.org/building-services/what-is-building-services](http://www.cibse.org/building-services/what-is-building-services)

[www.designingbuildings.co.uk/wiki/Cradle-to-grave](http://www.designingbuildings.co.uk/wiki/Cradle-to-grave)

[www.wikipedia.org](http://www.wikipedia.org)

[www.hse.gov.uk/guidance/index.htm](http://www.hse.gov.uk/guidance/index.htm)

[www.screwfix.com](http://www.screwfix.com)

Good luck with your tasks, enjoy your summer and I look forward to welcoming you to Trafford College in September. Any questions about the Building Services course, please contact me on [david.aspden@tgc.ac.uk](mailto:david.aspden@tgc.ac.uk).

**David Aspden - Head of Department for Building Services**

(includes Building Service Engineering, Electrical Installation, Gas, Plumbing and Heating and Ventilation)