

Heating and Ventilating occupations (normally Vocational levels 2 & 3)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude + Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Underpinning knowledge	Practical skills
Heating Installer Level 2	Install heating equipment and pipework systems to exact design specifications within large buildings such as office blocks, hospitals, schools etc	2	1	1	1	2	1	1	2	2	1	2	2	1	2	3
Heating Installer Level 3	Install complex heating equipment and pipework systems to exact design specifications within large buildings such as office blocks, hospitals, schools etc	3	2	2	3	2	3	3	3	3	3	3	3	3	3	3
Ductwork Installer Level 2	Install ductwork and ventilation systems to exact design specifications within large buildings	2	1	1	1	2	1	2	2	2	1	2	2	1	2	2
Ductwork Installer Level 3	Install complex ductwork and ventilation systems to exact design specifications within large buildings	3	2	2	3	2	3	3	3	3	3	3	3	3	3	3
Domestic Heating Installer Level 2	Install and commission domestic central heating systems and ensure they function correctly and efficiently	2	1	1	1	2	1	1	2	2	1	2	2	2	2	2

Technical occupations (normally Vocational levels 4 or 5)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude +Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Underpinning Knowledge
Design Engineer	A building services engineering design engineer will design a system to ensure it meets the requirements of the building's inhabitants and other users. This could be anything from designing an air conditioning system in a modern office complex or heating for a hospital, to a ductwork ventilation system in a factory or lighting in a school.	2	3	2	2	2	2	3	3	2	3	3	3	2	3
Computer Aided Design (CAD) Technician	Modern building services engineering systems need to be accurately drawn on architectural drawings to show how they should be installed, according to the design specification. The CAD technician will ensure that drawings are accurately produced and kept up to date, should any changes be made on site.	2	3	2	2	2	2	3	3	2	3	3	3	2	3

Technical occupations (normally Vocational levels 4 or 5)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude + Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Underpinning Knowledge
Commissioning Engineer	Commissioning engineers ensure that the engineering service systems within a building meet the original design specification and all the heating, ventilation, air conditioning and refrigeration systems fulfil their operation criteria.	2	3	2	2	2	2	3	3	2	3	3	3	2	3
Service and Maintenance Engineer	Skilled service and maintenance engineers are required to programme and carry out regular maintenance and repairs on all equipment within the heating, ventilation, air conditioning and refrigeration industry.	2	3	2	2	2	2	3	3	2	3	3	3	3	3
Contract or Project Engineer	A building services or project engineer is responsible for procuring materials and labour, contract management, managing the project team, assisting with design issues and reporting progress, through to the projects final accounts. Contract engineers are usually responsible for a number of contracts and the project engineers who are running those contracts	2	3	2	2	2	2	3	3	2	3	3	3	2	3

Technical occupations (normally Vocational levels 4 or 5)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude +Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Underpinning knowledge
Site Supervisor	A building services engineering supervisor manages the day-to-day running of projects. Usually progressing from a trade background, they are responsible for specialist subcontractors, resource planning, health and safety, quality and signing off parts of the project as they are completed	2	3	2	2	2	2	3	3	2	3	3	3	2	3
Estimator/Quantity Surveyor	Before installing a building services engineering project, the amount of materials that will be used (pipe, cable, equipment, machinery etc) needs to be accurately calculated and costed to ensure that the installation is carried out cost-effectively. Complex projects may need the continued involvement of a Quantity Surveyor once work is in progress on site.	2	3	2	2	2	2	3	3	2	3	3	3	2	3

Professional occupations (normally Vocational levels 6-8)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude + Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Job knowledge
Design Engineer	A building services engineering design engineer will design a system to ensure it meets the requirements of the building's inhabitants. This could be anything from designing an air conditioning system in a modern office complex or heating for a hospital, to a ductwork ventilation system in a factory or lighting in a school.	3	3	2	3	3	3	3	3	3	3	3	2	3	2
Contract or Project Manager	The installation of systems must be managed to ensure that its installation fits with the building's construction. Planning and managing the project will mean that labour, materials and equipment is available as needed and work is carried out accurately and efficiently to the design requirements.	3	3	2	3	3	3	3	3	3	3	3	2	3	2

Professional occupations (normally Vocational levels 6-8)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude +Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Job knowledge
Consulting Engineer	Each industry will have a range of specialist engineers. These consulting engineers provide commercial services and advice to other members of the building team. You could provide other members of a project team with specialist advice about all of the building services engineering systems.	3	3	2	3	3	3	3	3	3	3	3	2	3	2
Estimator/Quantity Surveyor	Before installing a building services engineering project, the amount of materials that will be used (pipe, cable, equipment, machinery etc) needs to be accurately calculated and costed to ensure that the installation is carried out cost-effectively. Complex projects may need the continued involvement of a Quantity Surveyor once work is in progress on site.	3	3	2	3	3	3	3	3	3	3	3	2	3	2

Professional occupations (normally Vocational levels 6-8)		Communication	Work with Others	Use Numbers	Manage Information	Demonstrate Positive Attitude + Behaviours	Be Responsible	Be Adaptable	Learn Continuously	Work Safely	Think and Solve Problems	Participate in Projects and Tasks	Customer Care	Job specific aptitude	Job knowledge
Educator and Trainer	Education and training is vital within the sector, whether it's someone starting out in their career or a qualified person updating their skills and knowledge, keeping up to date with many advances in technology. Educators and trainers deliver the training required. Universities, further education colleges and private training providers all need teaching staff with both qualifications and experience in building services engineering. It may be possible to combine part time teaching with one of the other roles described here, or to work full time developing courses and teaching students.	3	3	2	3	3	3	3	3	3	3	3	2	3	2
Business Manager or Proprietor	The building services engineering sector has many opportunities for individuals to develop their skills, career and opportunities further. After gaining valuable experience it may be possible to progress to a managerial role within an existing business or to start your own business.	3	3	2	3	3	3	3	3	3	3	3	2	3	2