

Heating and Ventilation Engineer

What is it?

Heating and Ventilation Engineers install, maintain and repair systems that control heating, cooling and air quality in buildings. This includes central heating, boilers, air conditioning and ventilation systems. Their work helps keep homes, schools, hospitals and workplaces warm, comfortable, well-ventilated and energy efficient.

Qualifications/Experience Required:

GCSEs in maths, English and science are required.

There are several entry routes into this career. Many Heating and Ventilation Engineers complete a **Level 3 apprenticeship** in building services engineering, plumbing and heating, or air conditioning and refrigeration.

Industry qualifications and registrations (such as **Gas Safe** for gas work or **F-Gas** for air conditioning) are essential for many roles.

Type of person who may be suited to this job:

- Practical and good with hands-on work.
- Comfortable working indoors and at heights or in confined spaces.
- Good problem-solving and technical skills.
- Able to follow safety rules carefully.
- Reliable and comfortable working in customers' homes or on building

What the Work Involves:

- Installing heating, ventilation and air conditioning (HVAC) systems.
- Servicing and repairing boilers, radiators and ventilation units.
- Diagnosing faults and solving technical problems.
- Ensuring systems meet safety and energy efficiency regulations.
- Working on new buildings or existing

Money/Wage Guide:

- **Starting Salary: £22,000-£26,000**
- **Experienced Salary: £35,000-£45,000+**

Related Opportunities:

- **Gas Service Technician**
- **Plumber**
- **Renewable Energy Installer**
- **Building Services Engineer**

Future Prospects – Labour Market Information:

Heating and Ventilation Engineers are in strong demand across the UK, particularly with the push towards **energy efficiency**, **low-carbon heating**, and **renewable technologies**.

Typical weekly hours – 37 to 40 hours per week.

*Some roles include **early starts**, **emergency call-outs**, **evenings** or **weekends**.*

Further Information:

<https://nationalcareers.service.gov.uk/job-profiles/heating-and-ventilation-engineer>

<https://www.careerpilot.org.uk/job-sectors/construction/job-profile/heating-and-ventilation-engineer>