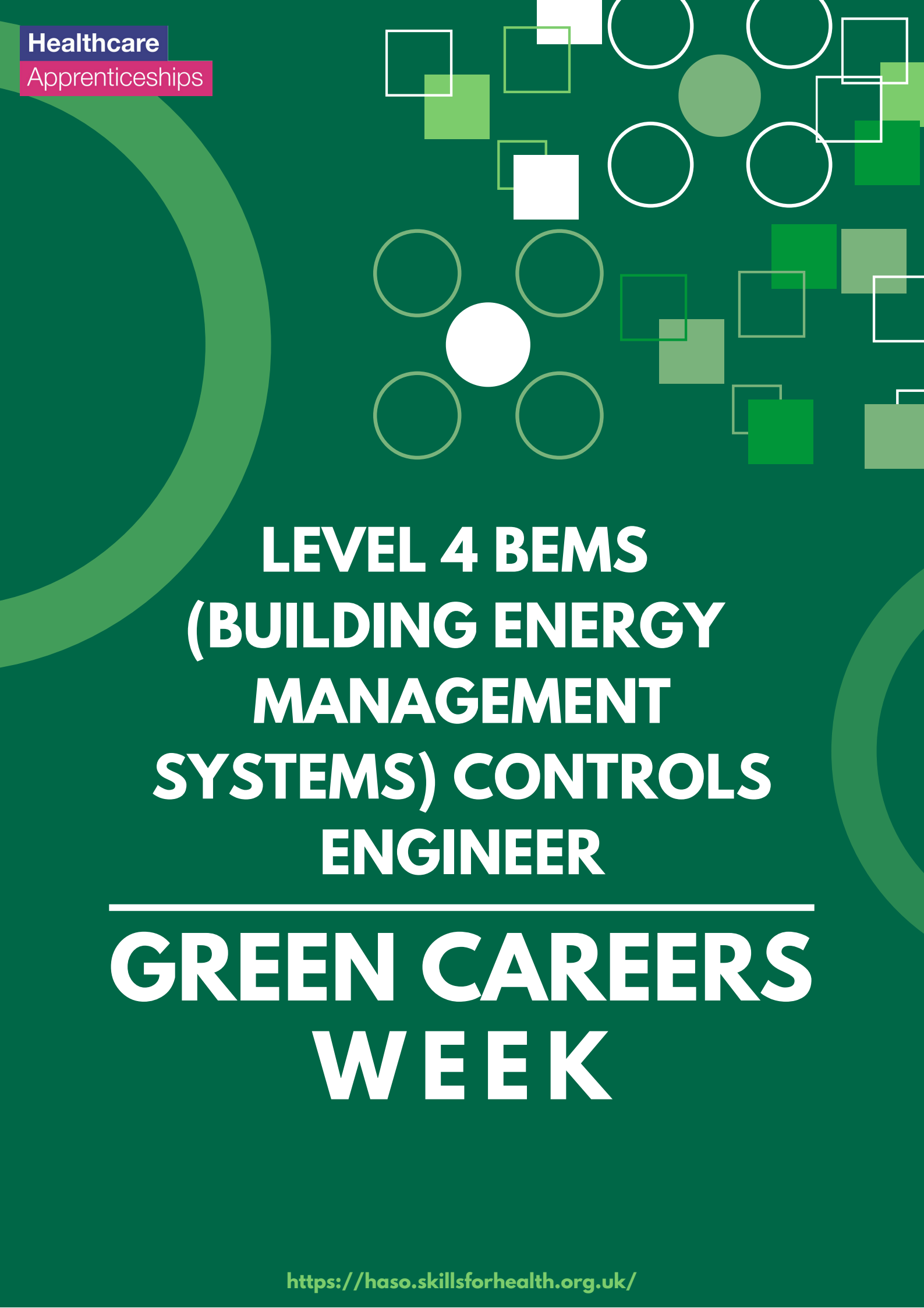


Healthcare

Apprenticeships



**LEVEL 4 BEMS
(BUILDING ENERGY
MANAGEMENT
SYSTEMS) CONTROLS
ENGINEER**

**GREEN CAREERS
WEEK**

<https://haso.skillsforhealth.org.uk/>

GREEN CAREERS WEEK



Green Careers Week is from 7th - 12th November. This has been launched by National Careers Week in partnership with STEM Learning. This week focuses on net zero jobs and green career pathways.

To celebrate, every day we are highlighting a fantastic apprenticeship standard in this area. Today we are putting a spotlight on the [Level 4 BEMS \(Building Energy Management Systems\) Controls Engineer](#).

36
months

Level 4

ST0629

OVERVIEW


Building Energy Management Systems are implemented in buildings with mechanical, HVAC (heating, ventilation and air conditioning) and electrical systems to enable energy efficient control of the internal environment. The buildings themselves can vary widely in size and function.

BEMS Controls Engineers focus upon the control, performance and efficiency of energy usage and comfort control in industrial/ commercial /public buildings of a diverse nature. It requires an associated understanding of these environments and the balance between cost, comfort, safety, health and wellbeing. It includes the specialist design, installation and commissioning expertise required to undertake this control and servicing function.

Typically a BEMS Controls Engineer will be involved initially with designing the building energy management system that controls the building services (e.g. heating, air conditioning, renewables). They may also write related software and graphics as well as installing and commissioning such systems.

ENTRY REQUIREMENTS

Employers will set the entry requirements for their apprenticeships,



Requirements



QUALIFICATIONS

Apprentices without level 2 English and maths will need to achieve this level prior to taking the End-Point Assessment.

TYPICAL JOB TITLES

BEMS CONTROLS ENGINEER

BEMS ENGINEER

TRAINING PROVIDER



All providers who want to deliver apprenticeship training must be on the Register of Apprenticeship Training Providers (RoATP). Employers must choose a provider from the Register.

Providers must meet a clear set of criteria in order to be included on the Register. These include financial health, capacity/capability and quality criteria. If a provider does not meet these criteria they will not be included on the Register.

[Click here](#) for a list of registered providers for the Level 4 BEMS (Building Energy Management Systems) Controls Engineer.

END POINT ASSESSMENT



As part of their apprenticeship, apprentices will have to complete end-point assessment.

The end-point assessment organisation will assess the apprentice in line with the BEMS (Building Energy Management Systems) Controls Engineer End-point Assessment Plan. This ensures that all apprentices are assessed holistically to a consistent standard at the end of their apprenticeship.

Organisations offering end-point assessment will need to be registered on the Register of End-Point Assessment Organisations (RoEPAO).

[Click here](#) for a list of EPAOs registered for the Level 4 BEMS (Building Energy Management Systems) Controls Engineer

APPLYING & PROGRESSION ROUTES

Candidates interested in applying for the BEMS (Building Energy Management Systems) Controls Engineer apprenticeship should visit [NHS Jobs](#), [Find an Apprenticeship website](#) and the [Register of Apprenticeship Training Providers](#). It may also be worth contacting training providers directly to make enquiries about the apprenticeships they offer.

You can visit our [Facilities and Estates page](#) for further resources and to view other apprenticeships in this area.

Click on the below image to discover some of the other apprenticeship standards in this area:

NHS
Health Education England

Healthcare
Apprenticeships

APPRENTICESHIP STANDARDS IN FACILITIES & ESTATES - SUSTAINABILITY

Career progression is not linear. You can step in or out at any point depending on your experience, career goals. You must check that you meet the entry requirements for the apprenticeship you select.

- An apprenticeship combines practical training in a job with study
- Apprentices are employed and receive a salary
- Full-time apprentices are entitled to a minimum of 6 hours per week 'off the job' training time as part of their job.*
- If not already achieved apprentices will undertake maths and English qualifications
- A qualification taken during an apprenticeship is equal to the same qualification taken elsewhere
- Depending on the apprenticeship, upon successful completion, apprentices may be eligible to apply for professional registration

*The off the job minimum requirement for a part-time apprentice remains unchanged at 20% of their normal working hours. The new 'off the job' hours policy change only applies to new starts from 1 August 2022.

**APPLY ON
NHS JOBS**

**RESOURCES
AVAILABLE ON
HASO**

**HEE TALENT
FOR CARE**

You may also be interested in mentoring, teaching, leadership or management apprenticeships.

<https://haso.skillsforhealth.org.uk>

SOME SKILLS AND PERSONAL CHARACTERISTICS REQUIRED

CREATE MAINTAIN, AND ENHANCE PRODUCTIVE WORKING RELATIONSHIPS

COMMIT TO COMPLIANCE WITH HEALTH AND SAFETY

UNDERTAKE WORK IN A WAY THAT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT

ACCEPTING, PRIORITIZING, DELEGATING AND UNDERTAKING TECHNICAL AND OTHER TASKS EFFECTIVELY



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