

Dear Applicant,

Building Services Engineering Environmental Technologies Career Enquiry

Good Day Helpline 08000 688 336

www.goodday.org.uk

Thank you for your recent enquiry about Environmental Technologies careers in Building Services Engineering.

Environmental Technologies Qualifications

Individuals who are interested in training for specification, design, installation, commissioning, service, repair and maintenance careers, in the environmental technologies for the Building Services Engineering sector should be aware of the wide range of technologies included within the sector footprint.

(sector footprint map at

http://www.summitskills.org.uk/public/cms/File/TQS/Sector%20Footprint%20Guide%20V2%20_27%2008%2008_.pdf)

The sector environmental technologies include Solar Heating and Hot Water, Heat Pumps, Water Re-Cycling, PhotoVoltaic's and a range of other emerging technologies, with the majority of industry recognised operative and technician qualifications requiring prior achievement at NVQ Level 3 as an entry level.

This is normally essential to ensure compliance with the appropriate building regulations and potential future legislation, as many of these systems are linked, or are about to be linked to systems covered by statutory regulations or building regulations "Competent Persons Schemes"

(<http://www.summitskills.org.uk/businesses/238> for further information).

Microgeneration Certification Scheme (MCS)

Employers will be required to be registered with the MCS (or its equivalent) to enable clients to access both the Feed In Tariff (FIT) for power generation and the Renewable Heat Incentive (RHI) (planned launch from June 2011) and they will require competent employees.

SummitSkills Career information

Current SummitSkills Career information is on the Good Day www.goodday.org.uk website which you can access and download.

Information provides for careers in design, installation, commissioning, service and maintenance including operative, technician and professional roles within the sector.

The interactive Building Services Engineering Careers Map

<http://www.goodday.org.uk/Careers/Careers-Online-Map/10> has been issued in hard copy format to training centres and careers offices.

To be successful in achieving your goal you should meet the entry requirements indicated in the Careers Map, for operative roles 3 GCSE Grade A*-C, Maths English and Science or for mature entrants equivalent to Level 2 Key Skills in Numeracy and Literacy, plus appropriate IT Skills (normally minimum Level 1) related to the company with whom you are employed.

Entry requirements for technician and professional roles will be indicated by the training provider.

This information applies to :

- Young people wishing to take up an Advanced Apprenticeship
- Mature Entrants wishing to take up a Mature Traineeship/Apprenticeship (contact your local Centre (use the Good Day Helpline 08000 688 336) for details of availability and funding)
- Existing skilled persons who wish to:
 1. Have their existing skills accredited
 2. Upgrade their existing qualifications to meet current requirements including Environmental Technologies.

3. Existing skilled persons with non UK qualifications wishing to upgrade their qualifications to current UK requirements
- Entrants to the Building Services Engineering Sector who have carried out Open Learning, In-House Company Training or Short intensive Building Services Engineering Training Courses
- For details of the current **Building Services Engineering Training Centres** offering industry approved qualifications in your area contact the **Good Day Helpline 08000 688 336**.

Actions you should now take.

From November 2010 new qualifications will replace the existing NVQ's and Technical Certificates. (QCF Framework http://www.eal.org.uk/qcf/qcf_for_learners/about_the_qcf-1.aspx)

The new NVQ-Diplomas and Awards will be phased- in, as they are launched by the Awarding Organisations.

If they are not yet available at your local centre then you should be aware and ask to move to the new qualifications as soon as they are available, as they have been mapped to the new National Occupational Standards, to meet the current industry requirements.

1. **Read the appropriate information on the website.**
<http://www.goodday.org.uk/Careers/Careers-Information/15>
Note that the qualifications required are the NVQ-Diploma, to provide the skills and knowledge to enable compliance with building regulations.
As the training to achieve a Full NVQ-Diploma Level 3 qualification (90% of Building Services Engineering operatives are operating at NVQ (-Diploma) Level 3) will require training and assessment both in the Workplace (**80% of time**) and in many instances a Training Centre (**20% of time**) if you are new to the sector.
2. **Identify the possible employers in your area and approach them about employment prospects.** (see job search <http://www.summitskills.org.uk/careers/326> or www.findjobsinconstruction.co.uk) (Funding is available to support employers with your training as indicated at <http://www.goodday.org.uk/Employers/Where-next/England/44> through apprenticeship funding)
3. **Register at the National Apprenticeship Matching Service**
The sector developed Apprenticeship Frameworks are available at <http://www.summitskills.org.uk/cgi-bin/go.pl/documents/list.html?uid=9> and employees, whether apprentices or not, should be aiming to achieve the skills resulting from the qualifications indicated within the frameworks.
Employers who wish to recruit new apprentices are being encouraged to register at the new National Apprenticeship Matching Service at www.apprenticeships.org.uk.
Young People
Young people seeking an Apprenticeship in the sector are encouraged to
 - Identify the preferred job role using the career information provided at www.goodday.org.uk and the Sector Footprint Map(link above)
 - register at www.apprenticeships.org.uk
 - link with National and local training providers Helpline 08000 688 336
 - try and identify on a local basis potential employers who may be recruitingWith the current economic climate it is likely that there will be a lower number of employers recruiting.
4. Identify the **Approved City and Guilds, EAL or other approved Training and Assessment Centre** offering the training and qualifications required by businesses in your area using the **Good Day Helpline 08000 688 336** and enrol and register at that local Centre.(you will not be able to commence assessment without the C&G, EAL or other awarding organisation portfolio documentation)
5. **Young people should also contact Training Providers** as the website information sheets, who will manage their Advanced Apprenticeship (funding is only provided for employed Advanced Apprentices) and draw down funding to pay for training on behalf of your employer.
6. **Experienced Workers adding Environmental Technologies to their existing skills.**
As indicated experienced workers would normally have their existing skills assessed at NVQ(-Diploma) Level 3 before adding the environmental technologies
See information on SNAP Process at <http://www.summitskills.org.uk/businesses/240> .
For Electrotechnical, Plumbing and Technician roles contact SummitSkills for further advice.

Adding Environmental Technologies to existing skills.

Existing skilled workers would expect to have threshold skills to NVQ(-Diploma) Level 3 in the appropriate job role.

Awarding Organisations, offering environmental technologies are regularly adding provision so contact them direct to identify provision in your area, including those listed below.

SummitSkills would recommend that training and assessment meets the requirements for MCS as these are envisaged as being required standard in future Regulation changes.

<http://www.microgenerationcertification.org/>

The following Awarding Organisations will be launching their environmental technology qualifications from November 2010.

- **City & Guilds** <http://www.cityandguilds.com/uk-learners.html>
- **EAL** http://www.eal.org.uk/qcf/qcf_qualifications/building_services/environmental.aspx

The following certification bodies offer current certification which has not yet been mapped to the new National Occupational Standards and therefore training and assessment may enable current recognition, but it may not meet future changes to MCS (and equivalent) and legislation without up-skilling and re-certification.

- **BPEC**
<http://www.bpec.org.uk/services/page.asp?PageID=220&SID=&Refresh=2%2F26%2F2009+12%3A06%3A53+PM>
- **Logic Certification** <http://www.logiccertification.com/loc2.asp>
- **ConstructionSkills BES Certification**
<http://www.cskills.org/supportbusiness/trainingandassessment/bes/index.aspx>
- **NIC Certification** <http://www.niceic.com/en/certification/section.asp?SECTION=24>

SummitSkills has been made aware of a number of training organisations who offer “fast track” training and if not an NVQ-Diploma or Award or its equivalent, this is not to the current industry recognised standards.

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