



**National
Construction
Training Services
Lead and Hard
Metals
Prospectus**



Training Centre, Geddings Road,
Hoddesdon, Hertfordshire
EN11 0NT

Introduction to National Construction Training Services

National Construction Training Services (NCTS) is a training provider to the roofing industry. We are dedicated to ensuring an outstanding level of training across the many roofing disciplines in Lead and Hard Metals, Slating and Tiling, Liquid and Bituminous Waterproofing. Our professional and progressive programme of courses are designed to inspire and educate roofers across the country. Working

with roofing federations, roofing training groups, manufacturers and employers from across the industry, we can offer a variety of comprehensive training courses designed to fit with your needs, no matter your level of skill.

Let us increase your earning potential and skill flexibility so that you can be independent and in complete control of all aspects of roof installation.

NVQ's delivered by NCTS

NCTS are accredited with NOCN and CSkills to deliver the following courses:

- L2 NVQ Diploma in Roofing Occupations (Construction) – Metal Roofing.
- L3 NVQ Diploma in Heritage Skills (Construction) – Metal Roofing.
- L2 NVQ Diploma in Roofing Occupations (Construction) – Fully Supported Lead & Metal Roofer & Cladder.
- L2 NVQ Diploma in Cladding Occupations (Construction) – Roof Sheeting and Cladding

We can assist with your career path to be a qualified operative with a CSCS card allowing you access to sites while you train.

You can also upgrade your CSCS card as your career progresses, with courses giving you the relevant qualification and experience.

Modules are delivered in blocks of a 5-day course, putting into practice with on the job experience the expert training you will receive.

Contact us to discuss how we can help!



Basic Welding & Bossing

Course outline:

Two of a Leadworker's most commonly used skills are Bossing and Welding, and the skills learnt on these courses will provide the foundations of Leadwork practice.

Who should attend?

People with little or no Leadwork experience.

Course duration:

Two courses: each three days or one, five-day course.

They run frequently so please contact NCTS for timings.



Welding

Course outline:

Neatness, uniformity and finished appearance are attributes which determine the skill level of a Leadworker.

This Welding course teaches the stages and techniques required to get you to an accomplished standard when fixing Lead sheet. This includes when the metal needs to be cut and welded to another sheet, perhaps to protect where there is a projection through a roof, such as a pipe or chimney. Lead sheets are welded together by the controlled melting of Lead rods onto the join to bond the sheets together and provide a homogeneous joint. A high degree of skill and

knowledge is required, as this must be achieved without compromising the weatherproofing quality of the installation.

Through practical application you will develop the skills to tackle most welding situations found on site including butt, lap, fillet incline and vertical.

Course duration:

Three days.

Or can be combined with Bossing for a five-day course.



Bossing

Course outline:

Lead sheet is a relatively soft and a very dense metal in comparison to other roofing metals such as Copper or Zinc.

Bossing is the method in which Lead is shaped and formed in order to suit various details.

In its basic form it is a relatively simple skill to learn. On this course students practice and develop their skill, to allow for the most complex shapes to be created out of a flat sheet without leaving a tool mark on the surface of the metal, or any significant reduction to its original thickness.

Course duration:

Three days.

Or can be combined with Welding for a five-day course.



Introduction to Working with Lead Sheet

Course outline:

This course will introduce you to welding and bossing techniques and will give you an appreciation for working with lead sheet. Once you have completed this one-day introduction you can then discuss other training options with NCTS.

Who should attend?

People with no Leadwork experience.

Course duration:

One day.



Basic Estimating Leadwork

Course objectives:

Providing an introduction to basic estimating for specifiers and users of rolled Lead sheet. The course offers guidance on the use of rolled Lead sheet and how it should be specified and detailed correctly. The course also gives an understanding on the basic principles of estimating Leadwork.

The course will provide delegates with knowledge of health and safety procedures for working with Lead sheet, and how these could impinge on the pricing process. They will also learn how to take off and measure quantities of materials for Lead sheet roofing from simple drawings.

Who should attend?

Roofing Contractors, Building Contractors, Architects and Quantity Surveyors.

The one-day seminar will suit those who want to understand more about the estimating process for Lead sheet used by the industry.

The benefits

You will gain knowledge and skills to carry out measurement of Leadwork at both the tendering and post-installation of the Lead work, which will benefit you when pricing Leadwork contracts.

Course duration:

One day.



Leadwork Seminars

Seminars for the construction industry.

Specifying Leadwork – Architects, Architectural Technicians and Surveyors.

Are you involved in the specification, design and handling of materials in buildings? If yes, then this one-day seminar that looks into all the different uses of rolled Lead sheet is for you.

NCTS' skilled experts will cover the following areas:

- The main uses of rolled Lead sheet and methods of manufacture
- Review of the main causes of failure in Leadwork such as over-sizing; over-fixing; failure of fixings; run-off from lichen-covered surfaces; building into masonry; condensation and staining
- Methods of detailing and fixing Lead to abutments; valleys; chimney stacks; pointing and damp-proof courses; flat and pitched roofing/ventilation; gutter lining-boxed/tapered; fire prevention/hot work ban

- Identifying installation errors
- The benefits of Lead versus other products

All seminars are complemented by free technical information and hands-on practical sessions, providing participants with an appreciation of working and forming Lead sheet, including Welding and Bossing.

Who should attend?

Architects, Architectural Technicians and Surveyors.

Course duration:

One day.



Leadwork for Conservatory Installers

Course outline:

This is a 10-day intensive course designed for candidates requiring the additional skills often found on today's conservatories or orangeries to give them the overall ability, knowledge and confidence to tackle not only the basics of Lead work detailing, but more complex details and designs. Candidates will also have the opportunity to learn parapet cappings incorporating welded joints; flat roofing with wood cored rolls; jointing

techniques using undercloaks and overcloaks with welded and bossed abutments, and roll end details.

This bespoke course has been designed to provide candidates with a comprehensive range of skills and knowledge required to succeed in the workplace. A practical course with assessments of each module to ensure candidates will be furnished with the confidence and ability to undertake Lead sheet detailing associated with this specialist area of roofing.



What are Hard Metals?

The term 'Hard Metals' is used to describe roofing materials of harder temperance than Lead sheet - popular roofing metals with widespread use on domestic and heritage buildings throughout the UK. Traditionally, roofing

materials generally referred to as 'Hard Metals' are Aluminium, Copper, Stainless Steel and Zinc. Each metal has a separate course to ensure you have the relevant skills and knowledge to install each product.



Introduction to working with Aluminium

Course objectives:

The most frequent use of Aluminium in roofing is in long strip form and this course teaches its safe installation within specified guidelines. Candidates will also be given an overall view of Aluminium's applications and the suitability of particular joints for specific details.

Who should attend?

People with little or no Aluminium experience.

Course duration:

Three days.



Aluminium Bespoke Training

Course objectives:

The course content is designed to provide a mix of practical hands-on training within a state-of-the-art training facility together with theoretical knowledge delivered at the bench or in the classroom environment. Using product specifications and drawings, you will produce and practise a variety of roofing details.

Who should attend?

The course is ideal for those who have completed the introduction to Aluminium or have previous knowledge and experience of working with the material or similar metals as a roofing product.

Course duration:

Five days.



Introduction to Working with Copper

Course objectives:

The most recognised and readily acknowledged as a traditional Hard Metal roofing material. The introduction to Copper includes expert guidance on safe, secure installation as well as advice on matching the right Copper-based roof system with the right application for effective, long-term performance.

Who should attend?

People with little or no Copper experience.

Course duration:

Three days.



Copper Bespoke Training

Course objectives:

Designed to provide theoretical knowledge and practical training, this course teaches candidates how to produce a variety of roofing details using product specifications and drawings.

Who should attend?

The course is ideal for those who have completed the Introduction to Working with Copper course or have previous knowledge and experience of working with the material or similar metals as a roofing product.

Course duration:

Five days.



Introduction to working with Stainless Steel

Course objectives:

Stainless Steel provides an attractive concept for modern architectural design, but also has a role within the heritage sector given its long-term performance. Our course teaches Stainless Steel installation with the highest levels of safety. It also provides a general overview of application type and project suitability.

Who should attend?

People with little or no Stainless Steel experience.

Course duration:

Three days.



Stainless Steel Bespoke Training

Course objectives:

To further expand candidates' skills and knowledge of working with Stainless Steel. The course includes practical and theory-based training in which candidates create an array of roofing details using product specification and drawings.

Who should attend?

The course is ideal for those who have completed the introduction to Stainless Steel or have previous knowledge and experience of working with the material or similar metals as a roofing product.

Course duration:

Five days.



Introduction to working with Zinc

Course outline:

Zinc is among the most sustainable metals used in construction today and has been used on roofs for almost 200 years. Zinc roof, wall and rainwater systems are also highly cost-effective, both from an initial procurement and design life perspective.

Our course teaches safe Zinc roof installation within the specified guidelines and demonstrates which applications are suitable for specific projects.

Who should attend?

People with little or no Zinc experience.

Course duration:

Three days.



Zinc Bespoke Training

Course outline:

The course structure is a mix of practical and academic training on the use of Zinc to increase knowledge and skills; the multiple applications of Zinc, interpretation and use of drawings and product specification.

Who should attend?

The course is ideal for those who have completed the introduction to Zinc or have previous experience of working with Zinc as a product for roofing.

Course duration:

Five days.



On Site Assessment Training (OSAT)

Who should undertake OSAT?

On Site Assessment and Training (OSAT) is central to ensuring that experienced Leadworkers and Hard Metal workers can gain a roofing qualification. The assessment process is ideal for those who have gained skills and knowledge over a number of years but have not undertaken an official qualification.

Being trained and qualified to a nationally recognised level such as a NVQ or QCF, combined with an up-to-date Health and Safety Test, will enhance the reputation of both the employee and employer.

For those more experienced Leadworkers and Hard Metal Workers, the OSAT is the best assessment route to gain the Metal Roofing (QCF) Level 2 and Heritage Level 3.

Length of assessment

The process can typically take up to two visits.

On site assessment and training works

Once you have completed a self-assessment form, an assessor will discuss your pre-existing skills which will identify your work experience and knowledge of the construction industry and the Lead or Hard Metals sector.

The assessor will then create an action plan to fill any gaps in experience which you may have. The plan can then be worked through at your own pace, with the assessor returning to get an update on progress and provide any necessary support of guidance in the assessment process.

Please contact us to discuss if you would like advice on your requirements.

Benefits of (OSAT)

- Helps you or your employees to achieve vital CSCS cards quickly and easily
- Takes into account pre-existing skills, so that you only need to train in the areas where there is insufficient knowledge or experience
- The process is carried out on site, therefore reducing travel costs and time away from the workplace

Contact form

Email training@ncts.org.uk or post to NCTS HQ, LDH House, Suite 2 Ground Floor, Parsons Green, St Ives, Cambridgeshire PE27 4AA. Or you can complete the contact form online at www.ncts.org.uk/courses

Name:

Date of birth:

Address:

Postcode:

NI number:

Mobile:

Landline:

Email:

Company name:

Job (please indicate)

Leadworker

Hard metal worker

Slate/Tiler

Waterproofer

Other, please specify

How did you hear about us?

Publication

Internet

Recommendation

Other

Other, please specify

Are you CITB registered?

Yes

No

Please tell us what you are interested in

DATA PROTECTION STATEMENT

PLEASE READ CAREFULLY

The information you provide for this profile will be held securely within NCTS. This information may be used by NCTS:

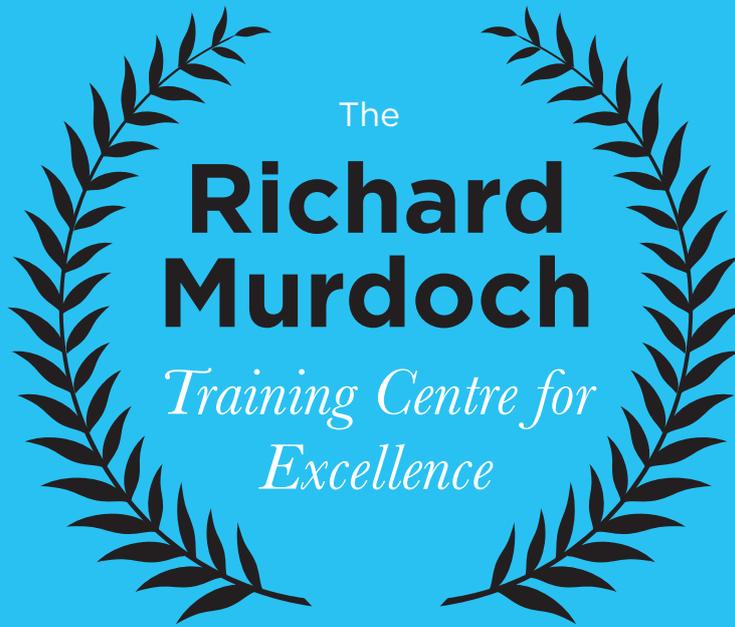
- To help determine which NVQ route and level you pursue
- To confirm your ability to provide the assessor with the documentary evidence required
- To form the basis of any initial assessment plan you agree with the assessor

For those purposes your information may be shared with third parties (including training colleges, assessors and employers).

I consent to the use of my information in this manner.

Yes

No



The

Richard Murdoch

*Training Centre for
Excellence*

Where to find us

Training Centre | Geddings Road
Hoddesdon | Hertfordshire EN11 0NT



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NCTS provides support across the following areas:

- Upskilling Programmes
- Health & Safety Training
- Manufacturers Training
- School Programmes

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Career Events:

Your training and development is important to us. Our commitment is to help you build the skills needed to start your career, develop for your future or get you back to work after a break. Our teams will be able to support in the following ways:

- Events to promote apprenticeships in roofing
- Develop Pathways in Construction - in line with Government T Levels
- Working with the DWP to help with getting people back into employment
- Bespoke school programmes – Introduction to Roofing
- Construction Ambassador – Presentation into Schools
- Skills competitions
- Factory Tours

T

Training Sector Specific:

- Working at Height for Roofing Operative
- Safe use of Harness & Lanyards for Roofers
- Asbestos Awareness

S

Safety Courses:

- ISOH Managing Safety
- Abrasive Wheels
- Accident Investigation
- Asbestos Awareness
- Accident Awareness
- Control of Substances Hazardous to Health – COSHH Level 2
- COSHH Awareness
- Emergency First Aid at Work
- Fire Extinguishers
- Fire Marshal
- Health & Safety Awareness
- Reporting of Injuries, Diseases and Dangerous Occurrences
- Risk Assessment
- Safe use of Steps and Ladders
- Stress Awareness
- UKATA Asbestos Awareness
- Vehicle Banking
- Noise Awareness
- Construction Design & Management (CDM)
- Site Managers Safety Training Scheme (SMSTS)
- Site Managers Safety Training Scheme (SMSTS) – refresher
- Site Supervisors Safety Training Scheme (SSSTS)
- Site Supervisors Safety Training Scheme (SSSTS) – refresher
- Health & Safety in the Construction Industry
- Health & Safety in the Office
- Electricity on Construction Sites

**Training people gives
them the empowerment
to improve their lives,
be self-sufficient and
realise their dreams**

For more information contact us via www.ncts.org.uk or call **01480 501011**

Alternatively, you can email us at training@ncts.org.uk

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