

H.A.L TRAINING COURSES

HAL can now give you a choice of courses; our 10-day Refrigeration Course has been very popular for several years and is still popular now with the general public.

More recently in 2018 we developed a brand new 15 Day packaged course that builds on our traditional 10 Day programme and provides further skills enhancing the individual's chance of successful achievement and increased employment possibilities this course is very popular with MOD resettlement personnel as it is ELCAS approved and is 100% level 3

The 15-day course is aimed at newcomers to the Refrigeration and Air Conditioning Industry, the latest European legislation (EU) 2015/2067 has raised the bar in terms of the knowledge and practical skills that new entrants to the industry will be expected to have acquired. We believe the extra five days gives candidates a chance to develop the skills and knowledge gained on the previous ten days and ensure they are better prepared to handle both the practical and theoretical tests in a more relaxed and confident manner.

The 10 and 15-day courses are either level 2 or 3 and certificated by City & Guilds, Logic or BESA and have been approved by ELCAS for Enhanced learning credits.

WELDING APPROVAL COURSES

We have developed a range of Welder Approval Courses for welders at all stages of development from novice to advance levels with a range of standards achievable in our centre.

BS4872 plate and pipe

BSEN287

ISO9606

ASME IX up to 6G full positional if required

Call the centre for dates and prices

ELECTRICAL COURSES

18th Edition Wiring Regulations will be available from July 2018 and will consist of 3.5 days duration call for information dates and prices.

Pat testing 2 days £260.00 + Vat available on request.

REFRIGERATION

TEN DAY REFRIGERATION COURSE CONSISTS OF THE FOLLOWING: -

Refrigeration / Air Conditioning Servicing & Maintenance

Refrigeration / Air conditioning Recovery & Repair

City & Guilds 2079-unit Cat 1 Safe Handling of Refrigerants

OR

BESA Safe Handling of Refrigerants

BESA Pipe Work & Brazing

Fees for the 10-day course £1325.00 + VAT @ 20%

TOTAL £1590.00

FIFTEEN DAY ELCAS APPROVED REFRIGERATION COURSE CONSISTS OF THE FOLLOWING: -

Refrigeration / Air Conditioning Servicing & Maintenance
Refrigeration / Air Conditioning Recovery & Repair
Pipe Work & Brazing training
Logic Cat 1 Safe Handling of Refrigerants (F Gas)
City & Guilds 6187-21/31 Hydrocarbons
City & Guilds 7543-01-02 Mobile Air Conditioning

Fees for 15-day course £1995.00 + vat @ 20%
TOTAL £2394.00

The Fifteen-day course is the ten day plus a further “hands on” practical and knowledge week of Refrigerant handling very useful to the novice or non-engineering person.

ELCAS provider number 4615 and 100% Level 3 provision

FIFTEEN DAY REFRIGERATION COURSE CONSISTS OF THE FOLLOWING: -

General public course details have awarding body options set out below for F Gas & Pipework & brazing.

Refrigeration / Air Conditioning Servicing & Maintenance
Refrigeration / Air Conditioning Recovery & Repair
BESA/City & Guilds Pipe Work & Brazing
BESA/City & Guilds Safe Handling of Refrigerants (F Gas)
City & Guilds 6187-21/31 Hydrocarbons
City & Guilds 7543-01-02 Mobile Air Conditioning

Fees for 15-day course £1995.00 + vat @ 20%
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INTRODUCTION

REFRIGERATION/AIR CONDITIONING INDUSTRY

Thank you for your enquiry. I hope our brochure proves of interest to you and provides you with some assistance in choosing the path of your career or a way of enhancing your present skills.

DETA 2000 Ltd t/a HAL Training Services Ltd, is a well-established name in Refrigeration and Air Conditioning training dating back to 1993. These qualifications are designed for learners to meet the requirements of Regulation (EU) 2015/2067.

Candidates can be assessed to any of three awarding bodies, BESA (open book test) or City & Guilds online test (closed book) and finally Logic online test (open book). The Ten-day course is open to general public, the fifteen-day course is available to general public plus those applying for ELC funding via ELCAS. Logic being a level three qualification. Entry onto any of the training courses is not limited by the need for an engineering background but an ability to use basic hand tools is an advantage. The whole course gives a thorough grounding for entry into the fast growing Refrigeration and Air Conditioning Industry, along with the necessary qualifications for charging and recovery of the new F Gas refrigerants.

The Air Conditioning/Refrigeration Industry has been developing since the late nineteenth century. It is a comparatively young Industry and is, more importantly, very much a growth Industry. Employment opportunities for Personnel entering the field of Refrigeration increase year by year to accommodate this growth. There are, broadly speaking, six fields of Refrigeration which are detailed below.

Completion of your course will equip you with the basic requirements to apply for employment within one of these sectors.

Domestic Refrigeration - This title applies to the appliances most of us have in our homes - domestic refrigerators and freezers. The past couple of years have also seen an increase in the number of small air conditioning units and mobile units installed in our homes. Maintenance of domestic appliances is normally through the initial manufacturer's warranty. Long term service contracts and servicing/ repair facilities are usually provided by local Engineers.

Commercial Refrigeration - The plant and equipment on site can vary widely. It is more often in the medium/large range. This field covers Offices, Banks and Building Societies, Supermarkets, Hospitals, Entertainment Centres, Hotels, Airports, Railways, Prisons etc Some plant and equipment will be covered through a Service Contract Company, others through the employment of “On-site Personnel”.

Industrial Refrigeration - This field also covers the medium/large range of plant and equipment. It covers factories producing a broad spectrum of products e.g.

meat, poultry, fish, pastries, sweets, chocolates, deserts, pickles, sauces, mineral water and pet-foods. Bakeries for all our bread, cakes and pies. Breweries for beers, lagers and a range of beverages.

Marine Refrigeration - Ocean going refrigerated cargo vessels, ships and barges carry a huge range of products from every corner of the globe. They supply our food industry, supermarkets and shops with a wide variety of produce. Pleasure craft of all types and sizes are fitted with air conditioners, heat pumps, refrigerators and freezers. All of these have unique features which reflect their use, application and geographical location on inland waterways throughout the world.

Refrigerated Transport - The transportation of chilled and wide-range of frozen food products has increased tremendously over the past decade. There is a growing demand for our produce to arrive on the shelves of our shops and supermarkets in “peak condition”. Fleet operators have grown in numbers in relation to this demand along with the requirement for vehicles to perform at the height of efficiency, hence the growing numbers of Engineers required to ensure that the servicing, repair and maintenance of these “fleets” is carried out.

Automotive Air Conditioning - The installation of air conditioning units was fitted to an “elite” selection of cars five years ago. Today these units are fitted to the majority of production vehicles. To date, most garages seem reluctant to take on board the servicing and maintenance of the air conditioning systems and seem to prefer to have maintenance and repairs carried out by Contractors. This, of course, is very good news for the thousands of Contractors throughout the United Kingdom.

ANSWERS TO FREQUENTLY ASKED QUESTIONS

When I complete the course, what certification will I receive?

On completion of the course you may receive either: -

BESA Safe Handling of Refrigerants Certificate.

BESA Pipework and Brazing Certificate.

BESA Card showing both Qualifications.

OR

City & Guilds 2079 - Units 100 - 200 - 300 - 400 - Handling Refrigerants Certificate.

LOGIC Cat 1 Certificate Safe Handling of Refrigerants. (MOD candidates)

Do many people fail the course?

No, they do not. Course numbers are kept to single figures, which gives the Refrigeration Instructor enough time to spend with each Candidate. A policy of continuous assessment is carried out from the first day of the course. If a Candidate experiences any difficulty with any section of the course, the Instructor would devote extra time to help him/her.

What other types of training courses does your Company provide?

As part of a larger training company we can offer electrical course including 18th Edition wiring regulations Essential Electrics and City & Guilds PAT Testing. We can also offer bespoke Welding (ASME IX) training and Fork Lift Truck courses.

What is the Instructor like?

The Instructor for the Course is a very experienced Instructor and highly qualified, extremely patient and highly enthusiastic about all aspects of Refrigeration.

What qualifications do the Instructors have?

Our Instructors are Assessors for BESA, City & Guilds, and Logic, for the following courses Handling of Refrigerants / Ammonia Essential Electrics and Pipe Work & Brazing Commercial and Industrial. They are also assessors for F Gas 2079 Units 100,200,300 & 400 Handling Refrigerants and Units 003 and 004 Handling of Ammonia,.

Is the training course up to date in the Refrigeration Industry?

You will find our course completely "up to the minute". Communications are received from all awarding bodies and the Institute of Refrigeration, plus the various Refrigeration Industry publications we receive ensure that the training you will receive is current and in accordance with the needs of the Refrigeration Industry.

How much accommodation is available in the area?

You can find a list of accommodation on our web site www.hal-training.co.uk FAQ section they range from the cheap and cheerful to ones providing swimming pools, gyms and saunas. The Holiday inn Express Doncaster AND THE Park Inn are the closest to the training centre.

BESA 2 DAY PIPE WORK & BRAZING CERTIFICATION

This Two-day Pipe work & Brazing (Commercial) Assessment Course is suitable for persons who have a sound knowledge of refrigeration systems, recovery equipment, instruments, tools and components. The course is designed specifically to meet the training requirements of the awarding body

COURSE CONTENTS

1. Introduction, issue course notes, course objectives and an explanation of the requirements of the E.P.A. (Environmental Protection Act).
2. Test to establish retention and understanding.
3. Safe lighting up and shutting down of a brazing torch. Setting up oxygen free nitrogen purging equipment (pressure and flow control).
4. Use of swaging tools on various sizes of copper tubing up to 7/8" diameter (Commercial).
5. Pressure/leak testing to British Standard (BS EN 378) using O.F.N. (Oxygen free nitrogen).
6. Examine joints internally for cleanliness and penetration.

COURSE OBJECTIVES

1. To understand the requirements of the E.P.A. regarding the construction repair of refrigeration pipe work and the high pressure implications of new refrigerants.
2. To demonstrate the ability to purge, swage and braze several joints in copper tube, up to 7/8" diameter (Commercial).
3. To examine each joint to ensure that cleanliness and penetration has been achieved.
4. To ensure that Candidates are practised in the use of the special tools and equipment used to install or repair copper pipe work (in small commercial and split unit air-conditioning systems). The course also ensures that approved standards of workmanship are achieved and maintained.

BESA SAFE HANDLING OF REFRIGERANTS CERTIFICATION/REGISTRATION

The two and five day courses are designed for suitably qualified personnel who are responsible for the installation, servicing and maintenance of refrigeration systems.

Each Candidate's assessment is carried out to standards accepted by the Air Conditioning and Refrigeration Industry Board (ACRIB). A comprehensive set of Course Notes and Record Book are included in the course fee. Certification, Registration and a Safe Handlers Card is awarded to successful Candidates.

ASSESSMENT

The Assessment is an (open-book) assessment
The assessment is over 1 hour 30 minutes and consists of 45 multiple choice questions. Each candidate will also carry out a 'hands on' examination

TOPICS COVERED INCLUDE:

1. Basic thermodynamics & indirect leakage checking principles
2. Environmental impact of refrigerants & corresponding environmental regulations
3. Records & commissioning data requirements
4. Checks for leakages
5. Handling, Storage transportation & disposal
6. Compressor function & leakage risks
7. Condenser function & leakage risks
8. Evaporator function & leakage risks
9. Thermostatic expansion valve & capillary tube restrictor function & leakage risks
10. HCFC refrigerants & Montreal Protocol
11. Hazards

2, 5, DAY CITY & GUILDS CERTIFICATION 2079 SAFE HANDLING OF REFRIGERANTS

The City & Guilds 2079 certification is for suitably qualified personnel who are responsible for the installation, servicing and maintenance of refrigeration systems.

City & Guilds Certification will be awarded to successful Candidates. Each Candidate's assessment is carried out to standards accepted by the Air Conditioning and Refrigeration Industry Board (ACRIB). Candidates may also apply to ACRIB for a 'Safe Handlers' card on completion.

ASSESSMENT -

The City & Guilds Assessment is an on-line, multiple choice test of 40 questions and you have 1 hour 20 minutes to complete it.

TOPICS COVERED INCLUDE:

1. Basic thermodynamics & indirect leakage checking principles
2. Environmental impact of refrigerants & corresponding environmental regulations
3. Records & commissioning data requirements
4. Checks for leakages
5. Handling, Storage transportation & disposal
6. Compressor function & leakage risks
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9. Thermostatic expansion valve & capillary tube restrictor function & leakage risks
10. HCFC refrigerants & Montreal Protocol
11. Hazards

TESTIMONIALS

I have completed a 15 days refrigeration and AC course at H.A.L. Training services, Doncaster.

This course is for everyone, who wish to get a very good education level .

The reason is only one- top quality in theory and practice ,demonstrated by instructor Dave in the classroom and in the workshop.

He teach everyone to work as team and to demonstrate their skills. The instructor gave us a lot samples from a real event and this was very helpful to understand how to think in our future work.

So I can to say THANK YOU VERY MUCH.

15 Day Refrigeration Course Lyudmil Varbanov

Just done the 10 day refrigeration and air conditioning course.

The course is really well structured you get a lot of practical training in and Dave the trainer is brilliant excellent at teaching and you can tell he knows his stuff.

Best course I have ever attended.

Ian Williamson 10 Day Refrigeration

I have just completed the 15 day refrigeration and air conditioning course, me and the lads on the course really enjoyed it and we believe we have learnt so much over the 15 days. The instructor simplified everything in to different ways so everyone understood the systems and the way they worked! Overall, excellent course, would highly recommend training with HAL if you are wanting to get into the industry.

15 Day Refrigeration Course David Hargreaves

I have just been on a refrigeration course and was one of the best courses I have been on. I done a year's training in refrigeration and air conditioning and I have learnt more here than I ever did in my training. From the word go they have been extremely professional and very helpful so thank you HAL training and thank you Dave for putting on such a good course.

15 Day Refrigeration Course Danny Peebles

Just completed my 15 day air conditioning and refrigeration course here at HAL. Course was brilliant, the level of experience of the instructor was outstanding, sharing his knowledge and experience with us, delivering the course so we could all understand at a level we could relate to. Good handouts to follow the course, perfect amount of practical sessions which helped understand the theory and tested our knowledge. Would highly recommend this training establishment for forces/ex forces and civilians.

15 Day Refrigeration Course Craig Gauld

Workshop had all necessary equipment and variation of systems, as appose to being kept on one system, instructor had very good knowledge and taught the course well!

15 Day Refrigeration Course Patrick Kieran

Really good course, very detailed it has been hard work and we have been stretched as we were taken through the knowledge to pass the exam and gained a real knowledge and understanding of refrigeration. The relationship between the practical and the theory allowed you to understand how things worked by actually seeing it working and doing it!

15 Day Refrigeration John Wilkinson

Excellent Course! The knowledge of the instructor is outstanding, a lot to take in in such a short time if you was to come from a non-engineering background, I was happy with the knowledge and how it was presented

15 Day Refrigeration Course Robert Swain

Good amount of hands on training in a relaxed environment, course leader very knowledgeable and willing to help

15 Day Refrigeration Course Craig Palmer

Coming from an Army background the instructor has the perfect bond with us to teach, and has the correct balance and patience, learnt loads and in some cases to much.

15 Day Refrigeration Course Simon Rodgers (Army)

Instructor has excellent knowledge great course

15 Day Refrigeration Course Alex Bird (Navy)

Brilliant course really enjoyed it hope to do more in the future, tutor was outstanding and professional to the highest standard, the instructors knowledge was second to none, the facilities and training rooms are great with plentiful resources

10 Day ASME IX Course Campbell Maughan (Army)

A great well-presented course delivered at a sensible pace, I belive I now have the necessary knowledge to successfully enter this industry

15 Day Refrigeration (R Langridge)

Great presentation, gain a lot of knowledge about refrigeration, better place to start in this industry

15 Day Refrigeration (Anon)

Excellent course, would recommend it. Instructor was exceptional, and has a lot of patience, explains everything over and over again.

10 Day Refrigeration (Adrian Kirby Navy)

I Cant find a fault with the course, the trainer and staff were great there was plenty of support and additional one to one help when needed. Fast pace but set up was great.

10 Day Refrigeration (James Wellings)

The passion and expert knowledge of the instructor was exceptional, the knowledge on the subject that the instructor has was fantastic.

The learning environment and classroom was good, all tools were up to date with the current standards required in this field of training.

The practical part of the training was exceptional, the amount in such a course gives me the confidence to work in this field immediately

Andrew Auckland (Army)

“I wanted a course to give me the confidence to try a new trade, the knowledge and passion of the tutor inspired me to do so, and after 15 days I am amazed at my knowledge and the skill level I’ve attained”

Anthony Ogden

Met my objectives 100% each day the instructor related the learning process to our future requirements, the instructor is clearly an expert in his field and very keen to pass on his knowledge.

The course was very good in all aspects, full use of materials and consumables were not limited, extensive range of equipment and facilities were good.

Gary Cowan (Army) ASME IX

H.A.L TRAINING SERVICES

10 &15-DAY REFRIGERATION & AIR CONDITIONING TRAINING COURSES 2018

COURSE FEES 10-day REFRIGERATION ONLY

£1325.00 VAT @ 20%

TOTAL £1590.00

COURSE DATES 10- DAY

5th Feb to 16th Feb 2018 9th Apr to 20th Apr 2018 4th Jun to 15th Jun 2018
23rd Jul to 3rd Aug 2018 17th Sep to 28th Sep 2018 5th Nov to 16th Nov 2018

COURSE FEES 15-Day Refrigeration/Air Conditioning

£1995.00 + VAT @ 20%

TOTAL £2394.00

COURSE DATES 15-DAY

5th Feb to 23rd Feb 2018 9th Apr to 27th Apr 2018 4th Jun to 22nd Jun 2018
23rd Jul to 10th Aug 2018 17th Sep to 5th Oct 2018 5th Nov to 23rd Nov 2018

BOOKINGS – Please call Course Co-ordinator Nigel Parkin on 01302 349724

Mailing Address:- HAL Training Services

Unit 29,

J3 Business Park,

Balby Carr Bank,

Doncaster,

South Yorkshire. DN4 8DE

Email – info@hal-training.co.uk web address- www.hal-training.co.uk

Facebook <https://www.facebook.com/haltrainingservices/>

WHAT DO I DO NEXT IF CLAIMING ELCAS ENTITLEMENT

- 1 Give us a call 01302 349724 we can then together discuss your requirements or training needs including: costs, dates, accommodation possibilities within the Doncaster area
- 2 Speak to your resettlement officer discuss your findings
- 3 Complete you section of a form called 1746 email that form to info@haltraining.co.uk or if you prefer post to the address within this brochure, once we have received it we will complete the form and send it back to you or if you wish the resettlement office direct.
- 4 Once the form has been processed by the resettlement office you will receive an Elacas form called a Claim Authorisation Note (CAN), this will have clear indication of the allowance from Elcas and your portion of the cost, this (CAN) should be forwarded to HAL for future use.
- 5 Nothing more now to do until arrival on the course, unless you have any further questions if so please feel free to contact us.
- 6 Closer the time of your course we will send out joining instructions with directions to the centre and a clear indication of what to bring with you.

I really hope this brochure has been of some help to you and that we see you soon on one of our courses.

Please note we would require a civilian address, email and a contact number also once the booking has been made.

Looking for Hotel accommodation during a course check our FAQ page there is a link to [Booking.com](https://www.booking.com) where you can find plenty of up to date information.

Look forward to hearing from you!

Nigel Parkin