

Introduction

ELECTRICAL COURSES AT THE RTC, ALDERSHOT

The Resettlement Training Centre (RTC) at Aldershot delivers a range of Electrical Courses designed to assist the Service leaver in gaining post-service employment in the Electrical Sector.



The Electrical Industry has raised the bar in recent years, and an NVQ Level 3 is now the accepted standard for those aiming to work as a fully qualified Electrician. The amount of time available for resettlement does not allow individuals to attain this standard; however our Electrical Installation course equips the Service leaver to either:

- a. Gain relevant Level 3 qualifications and an understanding of installation techniques, to assist in gaining employment with an electrical contractor. This will give wider exposure to the electrical industry and provide the practical opportunities to build a portfolio of work to be submitted to a college for an NVQ Level 3 whilst employed.
- b. Complete all technical training required to register with a UK domestic electrical Competent Person Scheme, which will enable the Service leaver to self-certify domestic electrical work. Some scheme providers may ask for an additional 17th Edition qualification (this can be taken whilst on the course) and others may ask for relevant experience, though electrical experience gained in-Service may count towards this requirement.

CTP also offer stand-alone 17th Edition and Inspection and Test courses for those with different career goals.

Courses on offer include:

- Domestic Electrical Installation Full Scope
- Initial Verification Inspection & Testing of Electrical Installations Level 3
- Periodic Inspection & Testing of Electrical Installations Level 3
- 17th Edition Wiring Regulations Level 3

Please see below for more details on each course.

Domestic Electrical Installation Full Scope (20 Days, Contract Funded)

The course is focussed on domestic installation, however skills are taught that are relevant to the wider electrical industry and therefore it provides a good foundation for those wishing to enter the industry in other roles.

If you wish to undertake electrical work in new domestic dwellings, or extend/alter existing domestic installations, you are required to be competent and ensure your work complies with the requirements of BS 7671 Wiring Regulations and Part P of the Building Regulations.

Successful completion of this course will result in the Service leaver gaining a Full Scope "Certificate of Competence". This certificate meets the requirements of the Electrotechnical Assessment Scheme, and therefore provides a recognised route into any UK domestic electrical Competent Persons Scheme. Some scheme providers may ask for an additional 17th Edition qualification (an option that can be taken during this course), others may require some relevant experience before allowing entry onto their scheme. Electrical experience gained whilst in-Service may count towards this, and the scheme provider will determine this on a case-by-case basis. After passing assessment by the Scheme provider on a small portfolio of work completed at your own pace, you will gain "Competent Person" status. This status allows you carry to out any electrical installation work in domestic premises, including new house wiring and full rewires, and certify the work yourself.

Please Note: Scottish CPS scheme providers recognise this Certificate of Competence as a valid entry route into a scheme; however Scotland has its own building regulations. Service leavers intending to work in Scotland are advised to check for additional requirements with their intended scheme provider, and may decide not to sit the optional Level 3 English Building Regulations exam.

To become a fully qualified Electrician and gain a Level 3 NVQ after taking this course, it will be necessary to register with a college in order to provide a portfolio of work for assessment. Those wishing to maximise their long-term career prospects may wish to work for an electrical contractor who can provide them with opportunities to build up this portfolio whilst employed. This is only necessary if you wish to work outside of a domestic environment.

Although this course will take beginners, it is technical and intensive. You will need a good aptitude for electrical engineering and be literate and numerate to Level 2. Service leavers who do not have a technical background may find the level and pace challenging.

The course offers those who successfully complete it the opportunity to gain a Full Scope Certificate of Competence, City & Guilds Level 3 17th Edition Wiring Regulations and City & Guilds Level 3 Building Regulations.

You can also sit an optional exam to obtain a JIB ECS Electrical Labourers Health & Safety Certificate, sometimes referred to as a CSCS card, which allows entry onto building sites.

More Information at:

http://www.cskills.org/awards/qualifications_and_courses/utilities_engineering/building_regulations_part_p/index.aspx

Once registered for Part P competence, the Scheme Provider will typically expect the Domestic Installer to gain a Level 3 Inspection and Test qualification within a year. The I&T Level 3 qualifications are also highly valued by the electrical industry in general, and for these reasons we recommend that the Service leaver supplements electrical installation training by progressing to at least the standalone Level 3 Initial I&T course.

Assessment is by a mixture of multiple-choice examination and assessed practical work.

Level 3 Initial Verification Inspection & Testing of Electrical Installations (5 Days, Contract Funded)

Successful completion of this course will allow Service leavers to complete the Inspection process for new Electrical Installations. It is intended for those who have successfully completed the Domestic Electrical Installation Full Scope course with CTP.

To be eligible to attend this course without having first completed CTP's Full Scope course, a Service leaver must be able to demonstrate knowledge and experience to a similar level as delivered on that course. This will include previous domestic electrical installation training, domestic inspection and test experience, hands-on 3-phase testing experience and a 17th Edition qualification. A Service leaver choosing this route will be referred to the RTC Electrical department before being accepted on the course. In Civvy Street this course is delivered to experienced Electricians who already know how to inspect and test; we build on existing knowledge rather than teach from scratch.

This course is delivered over 5 consecutive days at the RTC Aldershot, during which time Service leavers will carry out practical and on-line examinations.

*In order to achieve deadlines Service leavers will have to register and pay for the examination approximately 8 weeks before; **this fee will be non-refundable.***

Level 3 Periodic Inspection & Testing of Electrical Installations (5 Days, Contract Funded)

Successful completion of this course will allow Service leavers to complete the Periodic Inspection process for Electrical Installations.

Service leavers will have had to complete the Initial Inspection & Testing course or demonstrate an equivalent knowledge before attempting the Periodic Inspection and Testing course.

This course is delivered over 5 consecutive days at the RTC, Aldershot during which Service leavers will carry out practical and on-line examinations.

*In order to achieve deadlines Service leavers will have to register and pay for the examination approximately 8 weeks before; **this fee will be non-refundable.***

Level 3 17th Edition Wiring Regulations (5 Days, Contract Funded)

This is a standalone course and is designed for those who need to gain the C&G 2382 17th Edition Wiring Regulations qualification. It is examined by an On-Line Examination. You do not need to book this course if you are doing the Domestic Electrical Installation Full Scope course as it is included in that training.

Books

The following books are required for the courses as indicated below, and can be purchased from the RTC on the first morning of the course but if you wish to purchase prior to attendance they are also available from good bookshops or from the publications department of the IET (Tel No: 01438 767328).

Books	Domestic Electrical Installation Full Scope	Initial Verification Inspection & Testing	Periodic Inspection & Testing	17th Edition Wiring Regulations
On Site Guide (Yellow Copy to Amendment 3)	✓	✓	✓	
Guidance Note 3 (Yellow Copy to Amendment 3)	✓	✓	✓	
17th Edition Wiring Regulations (Yellow Copy to Amendment 3)	✓	✓	✓	✓
Electricians Guide to Building Regulations	✓			

Courses Available

Air Conditioning and Refrigeration Technology	1.05
Cycle Maintenance	1.06
Digital TV Systems	1.07
Domestic Electrical Installation Full Scope	1.08
17th Edition Wiring Regulations	1.09
Initial Verification Inspection and Testing of Electrical Installations	1.10
Intermediate Gas Certificate and ACS Assessments	1.11
Level 3 Award in Programmable Logic Controllers	1.12
Periodic Inspection and Testing of Electrical Installations	1.13

COURSE BOOKING INFORMATION

COURSE BOOKING GENERAL INFORMATION AND ALL PAYMENTS

civ (02894) 456200
mil (9491) 56200
e Coursebookings@ctp.org.uk

A short film which showcases the some of our courses and the facilities available at the RTC can be viewed via our website at www.ctp.org.uk

Air Conditioning and Refrigeration Technology

Aim of the Course

This 13 day modular course provides Service leavers with the necessary skills and certification to gain employment in the air conditioning, refrigeration and associated building services industry. The course prepares attendees for future domestic, commercial or industrial roles.

Course Content

Installation, Commissioning & Service Engineering

Covers all aspects of the installation, commissioning and servicing of all types of air conditioning and refrigeration systems to ensure correct, energy efficient running of systems. Practical aspects include pipe work design, jointing, setting up and purging with OFN, pressure testing and leak testing of systems, evacuation and dehydration, charging, recovery, servicing, fault diagnosis and commissioning.

Construction Skills Pipe Work & Brazing Competency Certification

Practically orientated course including theoretical elements for safe and competent brazing techniques covering a range of refrigerant line diameters, brazing materials and techniques to attain leak proof joints. Instruction will be given in jointing of dissimilar metals, utilising a variety of brazing alloys, silver solders and fluxes. Leads to 5 year certification.

Construction Skills F-Gas Training, Assessment & Certification (J11)

This course is an essential requirement for any persons connected with refrigerants. The course covers all types of refrigerants, the ozone layer and other environmental issues, health and safety, regulations and codes of practice, recovery, pressure leak testing, evacuation and charging. Training for this module is 25% theory and 75% practical. Leads to 5 year Certification.

City & Guilds Certificate in Hydrocarbons (6187-232 & 316)

With the introduction of natural organic refrigerants, this module will ensure attendees are competent to work with these flammable refrigerants.

City & Guilds Certificate in Mobile Air Conditioning Systems (7543)

This module is a legal requirement for any persons connected with refrigerants within mobile air conditioning systems. The MAC directive specifically applies to cars and light vans. The obligations under the F-Gas regulations affect the motor vehicle sector and companies that undertake delivery of F Gases, recovery of F-Gases during service, repair and dismantling and handling of refrigerant cylinders etc.

City & Guilds 17th Edition Wiring Regulations (2382-12)

This course provides training in the design of electrical wiring systems in line with the latest industry regulation on wiring and the safe use and competency in the operation of electrical equipment and systems.

Qualifications Awarded

Successful completion of this course results in Construction Skills Certification and Registration for Pipe work and Brazing and F Gas Training for a period of 5 years. Attendees will also receive City & Guilds 7543 Certification in Mobile Air Conditioning Systems, C&G 6187-232 and 316 in Hydrocarbons, and C&G 17th Edition Wiring Regulations 2382-12.

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Eligibility

Construction Skills and City & Guilds require all course attendees to complete an Application for Assessment, which determines the level of prior knowledge and experience for this course.

Any Service leaver with a basic level of Engineering skills (mechanical or electrical) will be eligible to attend the course, and attendees who complete the Installation, Commissioning & Service Engineering module will meet the Construction Skills requirement for a Category 2 applicant.

Course Duration

13 Days. This 13 day instructor led course will be run by Business Edge Ltd at their premises in Waterlooville. Full details will be provided with course joining instructions.

Course held at:

Business Edge Ltd
Waterlooville, Portsmouth, Hants

Course, Examination and Associated Fees

This course is delivered by Right Management and sits outside the MOD contract-funded training programme and therefore, Service leavers are required to fund the course before attendance. The fees to be **paid direct to the Course Booking & Information Centre** in advance as soon as possible after course booking or your place may be re-allocated. Payment to be made by credit/debit card over the phone.

FOR ALL FEES PLEASE CLICK HERE.

If you are using Enhanced Learning Credits the provider name for the Claim Authorisation Note is **Right Management Ltd 1208**. Once you have received your confirmation email from ELCAS authorising your CAN, please forward it to coursebookings@ctp.org.uk along with your payment in advance as soon as possible after course booking or your place may be re-allocated. **It will not be accepted on the first day.**

Funding

For all funding advice please speak to your Service Resettlement Advisor.

Right Management reserves the right to cancel and/or amend course dates, times, contents and venues as listed on this website. Every effort will be made to give the Service leaver as much notice as possible and a reasonable course alternative or alternatives may be suggested, if possible. If this is not possible or the alternative(s) is/are not acceptable to the Service leaver, Right Management, who deliver all non-contract courses listed, may refund in full the total amount paid to date for non-contract funded courses, or, in the case of MOD Contract Funded courses, in agreement with the MOD, the Service leavers IRTC grant will not be notionally reduced.

TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Cycle Maintenance Combined Level 2 Certificate and Level 3 Diploma

Aim of the Course

The aim of the course is to equip Service leavers with detailed technical knowledge and expertise on maintaining cycles in order that they can find employment in this growing sector. It also promotes safer cycling and offers a retirement training option. It is delivered in association with Cycle Systems which is an award winning and innovative company started in 2007 and is known within the industry as the quality option for this training.

Course Content

The course is of 20 days duration which includes both the Level 2 (10 days) and the Level 3 (10 days).

Module 1 (Level 2 Certificate)

The Level 2 course syllabus is as follows:

Professional working knowledge of the following systems:

- Working safely in a cycle maintenance environment
- British Standards relating to the sale of new bicycles
- Understanding of customer service requirements
- Frame and fork technology and headsets
- Principles of gear systems
- Principles of brake systems
- Principles of cycle hubs, wheels, tubes and tyres
- Wheel lacing
- Wheel building
- Stripping and rebuilding a geared bike and Pre Delivery Inspection.

Module 2 (Level 3 Diploma)

The Level 3 course syllabus is as follows:

Professional working knowledge of the following systems:

- Working in a maintenance environment (advanced)
- Understanding of customer service requirements (advanced)
- Principles of cycle hydraulic braking systems
- Principles of cycle fork suspension systems

Module 2 (Level 3 Diploma) Contd

- Principles of full suspension cycle systems
- Principles of complex cycle wheel systems and advanced wheelbuilding (Road and MTB)
- Road bike advanced groupset set up and repair - including Campagnolo, Sram and Shimano.

Qualifications Awarded

Level 2: EAL accredited Certificate in Cycle Maintenance

Level 3: EAL accredited Diploma in Cycle Maintenance.

Employment Opportunities

This training will suit many Service leavers who not only are looking to this as an option for future employment with cycle retail outfits, with clubs, on cycling tours, with mobile cycling servicing etc but will also suit those who are interested in self-employment and retirement.

More Information

Please [download the course fact sheet](#) for more detail.

Service leavers with technical questions are invited to contact Sean at Cycle Systems on:

07726 921002 or email sean@cycle-systems.co.uk

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Eligibility

Please note:

The Module 1 is a pre-requisite for the Module 2 Diploma. These are not independent modules and must be booked together. Module 1 is not available on its own.

Course Duration

Total duration is 20 Days.

The course is delivered in association with Cycle Systems

Course held at:

Cycle Systems Academy, Seale Hayne College,
Howton Lane, Newton Abbot, Devon, TQ12 6NQ

Funding

For all funding advice please speak to your Service Resettlement Advisor.

Course, Examination and Associated Fees

This course is delivered by Right Management and sits outside the MOD contract-funded training programme and therefore, Service leavers are required to fund the course before attendance. The fees **to be paid direct to the Course Booking & Information Centre** in advance as soon as possible after course booking or your place maybe re-allocated. Payment to be made by credit/debit card over the phone.

FOR ALL FEES PLEASE CLICK HERE.

If you are using Enhanced Learning Credits for the **Level 3 Diploma**, the provider name for the Claim Authorisation Note is **Right Management Ltd 1208**. Once you have received your confirmation email from ELCAS authorising your CAN, please forward it to coursebookings@ctp.org.uk along with your payment in advance as soon as possible after course booking or your place maybe re-allocated. **It will not be accepted on the first day.**

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TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Aim of the Course.

To provide theoretical and practical training in all aspects of installation work for both individual home installations and reception/relay systems, allowing students to enter the growing communications industry on either an employed or self-employed basis.

Course Content

This 2 week course gives theoretical and practical experience on the subjects listed below:

- **Television signals:**
 - Units of measurement
 - Radio waves
 - Polarisation
 - The frequency spectrum
 - Signal measurements
 - Types of TV display
 - Digital interconnections
 - Cable losses.
- **Installation techniques:**
 - Ladder safety
 - Cable routing
 - Drilling and fixing
 - Earthing.
- **Types of display:**
 - High definition standards
 - Flat panel displays
 - Display interconnections.
- **Terrestrial TV reception:**
 - Digital UHF signals
 - Principles of aerials
 - Aerial selection
 - Aerial erection
 - Aerial measurements
 - Elimination of interference.
- **Satellite TV reception:**
 - Satellite locations
 - Dishes and LNBS
 - Satellite receivers
 - Satellite measurements
 - Advanced receiving systems
 - Types of encryption.
- **Sky satellite reception:**
 - Sky hardware
 - Receiver menus
 - Receiver programming
 - Adding extra programmes
 - Telephone connections
 - Troubleshooting.
- **Broadband data systems:**
 - Data principles
 - Digital compression
 - The internet
 - Router/modem configuration
 - Internet access by satellite.
- **Signal distribution:**
 - Within the home
 - Multi-dwelling units
 - Data networks
 - Principles of fibre optics
 - Troubleshooting.

Qualifications Awarded

Candidates sit the Confederation of Aerial Industries (CAI) assessment test that is accredited prior learning towards an NVQ2 qualification, and a CSS skills card exam.

Employment Opportunities

The course is a mix of theory and practice and is suitable for students with no experience who wish to enter the telecommunications industry and for those who have experience but want to know more about the theoretical and some practical aspects of signal reception and installation. Students on the course who achieve a distinction in the CAI exam have their names published in "Feedback" the trade journal of the CAI along with the areas they are settling down in.

Further Details

Cable Element

Candidates may choose to undertake by open learning whilst on the course the SCTE (Society of Cable Television Engineers) Module 1 exam for cable installers. Successful students receive an SCTE certificate recognised by the cable industry and fulfil the underpinning knowledge requirements of NVQ Level 2.

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Eligibility

The mathematics requirement is that students can use a calculator to add and subtract. They should also be confident to climb a ladder and use a spanner – no prior knowledge of electronics is required.

Course Duration

2 weeks

Course held at:

RTC Aldershot

Course, Examination and Associated Fees

This is a contract funded course, no money is required for course fees but the IRTC grant reduces by 5% (currently £26.70) for each days training.

[FOR ALL FEES PLEASE CLICK HERE.](#)

Funding

For all funding advice please speak to your Service Resettlement Adviser.

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TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Domestic Electrical Installation Full Scope

Aim of the Course

This course provides an excellent foundation on which to enter the electrical industry. Although focussed on domestic installation, the course provides qualifications and training which are relevant outside of the domestic environment.

Course Content

The course covers Full Scope Part P, City & Guilds Level 3 Building Regulations and Level 3 17th Edition Wiring Regulations.

More details for our electrical courses can be found on page 1 of this booklet.

Qualifications Awarded

- Full Scope "Certificate of Competence"
- C&G 2393 Building Regulations Level 3
- C&G 2382 17th Edition Wiring Regulations Level 3
- JIB ECS Health & Safety Certificate.

Employment Opportunities

This course provides the foundation for those wishing to work in the electrical industry but further training will be necessary to work outside of the domestic environment.

For those intending to work as Domestic Installers, the Full Scope Certificate of Competence obtained on successful completion of the course is suitable for entry onto UK domestic electrical Competent Person Schemes. Some scheme providers may ask for an additional 17th Edition qualification, which you can complete whilst on this course, others may ask for relevant experience. Electrical experience gained whilst in the Services may count towards this and the scheme provider will determine this on a case-by-case basis.

Students are advised that although currently not a requirement for Part P registration, an additional stand-alone Level 3 Inspection and Test qualification is considered very valuable in the electrical industry. CTP also offers both Initial Verification and Periodic inspection and test courses, more details on page 2 and 3 of this booklet.

The Electrical Contractors Association (ECA) website www.eca.co.uk provides a list of ECA members and their contact details.

Further Details

A calculator, coloured pens, page markers and highlighters will be required. **Two passport sized photographs** and your **National Insurance Number** will be needed to register with CITB for the Full Scope qualification.

Students **must** purchase the required literature prior to starting this course. A list of books required for each course along with the current RTC prices can be found at the **link below**. Books from the RTC can be purchased **on the first morning** of the course but if you wish to purchase prior to attendance they are also available from good bookshops or from the publications department of the IET (Tel No: 01438 767328).

Please note: Students without the required reference books will be unable to complete the course.

TOP

Eligibility

This is a technical and intensive course. Those Service leavers who do not have a technical background may find this course too much of a challenge.

Colour blindness can be a restriction depending upon its severity and should be identified and confirmed with an optician's certificate.

If you intend working in Scotland, before booking please see more details on page 2 of this booklet.

Course Duration

20 days

Course held at:

RTC Aldershot

Course Fees

This is a contract funded course, no money is required for course fees but the IRTC grant reduces by 5% (currently £26.70) for each days training.

Examination and Associated Fees

These are levied by the awarding body and **payable during the first two weeks of the course.**

[FOR ALL FEES/BOOK PRICES PLEASE CLICK HERE.](#)

Funding

For all funding advice please speak to your Service Resettlement Adviser.

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TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

CTP Training Engineering Course Descriptions

17th Edition Wiring Regulations

Aim of the Course

This course offers training in the design of electrical wiring systems to the Wiring Regulations 17th Edition, for those wishing to enter the Electrical Contracting Industry.

Course Content

BS: 7671 – 2008: Requirements for Electrical Installations.

- Introduction to BS 7671:2008
- Overview of BS 7671:2008
- Part 1: Scope, object and fundamental principles
- Part 2: Definitions
- Part 3: Assessment of general characteristics
- Part 4: Protection for safety
- Part 5: Selection and erection of equipment
- Part 6: Inspection & Testing
- Part 7: Special Installations or locations
- Appendices 1-15.

Qualifications Awarded

Candidates will sit the City & Guilds 2382 qualification, which is a Level 3, 60 question GOLA multiple-choice test lasting a maximum of 2 hours.

Further Details

A calculator, coloured pens, page markers and highlighters will be required plus the following:

Students **must** purchase the required literature prior to starting this course. A list of books required for each course along with the current RTC prices can be found at the **link below**. Books from the RTC can be purchased **on the first morning** of the course but if you wish to purchase prior to attendance they are also available from good bookshops or from the publications department of the IET (Tel No: 01438 767328).

Please note: Students without the required reference book will be unable to complete the course.

TOP

Eligibility

Those with an understanding of electrical principles and electrical installation will find it much easier to get to grips with the terminology used on this course. Those with no electrical background will find it far more challenging; however they will still have an excellent chance of gaining the qualification.

Course Duration

1 week

Course held at:

RTC Aldershot

Course Fees

This is a contract funded course, no money is required for course fees but the IRTC grant reduces by 5% (currently £26.70) for each day training.

Examination and Associated Fees

These are levied by the awarding body and is a **non-refundable payment on booking**.

FOR ALL FEES/BOOK PRICES PLEASE CLICK HERE.

Funding

For all funding advice please speak to your Service Resettlement Adviser.

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TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Initial Verification Inspection and Testing of Electrical Installations

Aim of the Course

This course offers the Service leaver the opportunity to gain City & Guilds qualifications at Level 3 in the Initial Verification Inspection and Testing of Electrical Installations.

Course Content

This course is designed to enable the Service leaver to understand the principles, practices and legislation in accordance with statutory and non-statutory regulations and requirements.

It will provide the knowledge and skills to undertake Initial inspection, testing and certification of new electrical installations.

Qualifications Awarded

The City & Guilds for the Initial Verification Inspection and Testing of Electrical Installations examination is in 3 parts:

One Practical and two on-line examinations are taken whilst on the course.

Further Details

Students **must** purchase the required literature prior to starting this course. A list of books required for each course along with the current RTC prices can be found at the **link below**. Books from the RTC can be purchased **on the first morning** of the course but if you wish to purchase prior to attendance they are also available from good bookshops or from the publications department of the IET (Tel No: 01438 767328).

Please note: Students without the required literature will be unable to complete the course.

TOP

Eligibility

Service leavers will have passed the Domestic Electrical Installation Full Scope course at the RTC and hold a current 17th Edition certificate. Exceptionally, those who can demonstrate at least equivalent knowledge and experience to that gained on the Full Scope course may be accepted for entry after referral and acceptance by the RTC Engineering Department. As this course builds on previous experience of domestic and 3-phase I&T, those who do not meet all pre-requisites will be out of their depth and may not be permitted to sit assessment for safety reasons.

Colour blindness can be a restriction depending upon it's severity and should be identified and confirmed with an optician's certificate.

Course held at:

RTC Aldershot

Course Fees

This is a contract funded course, no money is required for course fees but the IRTC grant reduces by 5% (currently £26.70) for each days training.

Examination and Associated Fees

These are levied by the awarding body and is a **non-refundable payment on booking**.

FOR ALL FEES/BOOK PRICES PLEASE CLICK HERE.

Funding

For all funding advice please speak to your Service Resettlement Advisor.

Course Duration

5 days training at the RTC

Right Management reserves the right to cancel and/or amend course dates, times, contents and venues as listed on this website. Every effort will be made to give the Service leaver as much notice as possible and a reasonable course alternative or alternatives may be suggested, if possible. If this is not possible or the alternative(s) is/are not acceptable to the Service leaver, Right Management, who deliver all non-contract courses listed, may refund in full the total amount paid to date for non-contract funded courses, or, in the case of MOD Contract Funded courses, in agreement with the MOD, the Service leavers IRTC grant will not be notionally reduced.

TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Intermediate Gas Certificate and ACS Assessments

Aim of the Course.

This CSkills Awards Intermediate gas training course will prepare Service leavers for a career as a Gas Engineer with the option to extend into other areas such as commercial gas or smart metering. Course attendees will gain the necessary theory and practical experience to complete ACS assessments in Core Gas Safety and several appliances. ACS certificates in Gas Safety will enable the individual to seek employment as a Gas Engineer, or to consider individual Gas Safe registration.

Course Content

Phase 1 Gas Training

The course will initially consist of 4 weeks of theory and practical training at the new training facility at RSME Chatham.

Phase 1 Content

Week 1: Gas Pipework and fittings (identification and installation methods), Gas Safety legislation, Characteristics of combustion and natural gas, Positioning of emergency control valves and emergency procedures, BPEC Water Regulations.

Week 2: Standing and operating pressures, Gas rates, Tightness testing and purging, Checking/setting meter regulators, Ventilation requirements, Energy efficiency, practical plumbing skills.

Week 3: Flues, Carbon monoxide in dwellings and combustion performance of gas fired appliances, Gas safety devices and controls, practical plumbing skills.

Week 4: Unsafe situations/use of emergency notices and warning labels, re-establishing gas supplies and relighting appliances, appliances (central heating, boilers, cookers, fires, water heaters, meters), practical plumbing skills, practical appliances.

Following Phase 1 training the attendee must complete a 6-10 week work attachment with a civilian company, in order to compile the necessary Portfolio of Evidence required to gain the qualification. This portfolio must be submitted to the course trainers at Chatham.

The duration of the placement will depend upon the type of experience required to complete the portfolio and assessments. The placement should be organised by the attendee particularly if they have specific requirements on location etc. CTP can assist with finding a placement and has connections with employers; however, there are no guarantees on type of company or location.

Phase 2 Gas Assessments

After the work placement, attendees will return to the training centre at Chatham for a further 2 weeks to complete the examination and assessment phase of training. This will include written testing as well as verbal and practical assessments.

Qualifications Awarded

Successful candidates will receive the following CSkills Awards ACS Assessments:

- CCN1 Core Domestic Gas Safety plus up to 4 appliances: CENWAT1 (Central Heating and water heating appliances), CKR1 (Cooking Appliances), HTR1 (Fires and wall heaters), MET1 (Meters)
- BPEC Water Regulations Certificate
- CSkills Energy Efficiency Certificate.

Employment Opportunities

On successful completion of the ACS gas assessments, course attendees may apply for any Gas Engineer positions, provided they have the necessary appliance certificates for the role. Individuals may wish to apply to the Gas Safe Register for individual registration to undertake private gas work or to become self-employed, although it is highly recommended that Service leavers gain further experience with an Employer initially.

TOP

Eligibility

This course requires no prior experience of Gas and is suitable for new entrants to the industry; however, the duration of work attachment will be determined by the level of any prior relevant knowledge.

All Service leavers planning to attend this course must have a minimum Level 2 functional skills in numeracy and literacy, or equivalent.

Course Duration

Phase 1: (20 days). Classroom and workshop training at RSME Chatham, followed by a period of work attachment between 6-10 weeks.

Phase 2: (10 days). The individual must return to RSME Chatham to complete examinations and assessments towards ACS Certification.

Course held at:

Royal School of Military Engineering (RSME), Brompton Bks, Chatham, Kent ME4 4UG

Course, Examination and Associated Fees

This course is delivered by Right Management and sits outside the MOD contract-funded training programme and therefore, Service leavers are required to fund the course before attendance. The fees to be **paid direct to the Course Booking & Information Centre** in advance as soon as possible after course booking or your place maybe re-allocated. Payment is to be made by credit/debit card over the phone.

FOR ALL FEES PLEASE CLICK HERE.

If you are using Enhanced Learning Credits the provider name for the Claim Authorisation Note is **Right Management Ltd 1208**. Once you have received your confirmation email from ELCAS authorising your CAN, please forward it to coursebookings@ctp.org.uk along with your payment in advance as soon as possible after course booking or your place maybe re-allocated. **It will not be accepted on the first day.**

Funding

For all funding advice please speak to your SRA.

Right Management reserves the right to cancel and/or amend course dates, times, contents and venues as listed on this website. Every effort will be made to give the Service leaver as much notice as possible and a reasonable course alternative or alternatives may be suggested, if possible. If this is not possible or the alternative(s) is/are not acceptable to the Service leaver, Right Management, who deliver all non-contract courses listed, may refund in full the total amount paid to date for non-contract funded courses, or, in the case of MOD Contract Funded courses, in agreement with the MOD, the Service leavers IRTC grant will not be notionally reduced.

TO BOOK: (02894) 456200 or mil (9491) 56200 **email:** Coursebookings@ctp.org.uk

Level 3 Award in Programmable Logic Controllers

Aim of the Course

The course is aimed at individuals who want to develop a career in engineering using Programmable Logic Controllers (PLC). It will enable you to acquire the essential knowledge needed to understand the hardware and software concepts of PLC, their applications in the control of manufacturing and other processes and how PLC may be programmed. This course will give learners an understanding of the applications of Programmable Logic Controllers (PLCs), the hardware and software that makes up a PLC and interaction needed between the component parts. It will prepare you for employment in commercial or industrial roles. This course does **not** include the use of an actual robotic machine to test the end programming result. It involves simulations via a PLC kit brought into classroom.

A Programmable Logic Controller (PLC) is a digital computer used for automation of electromechanical processes, with diverse applications from control of machinery on factory assembly lines to, for example, amusement rides and light fixtures. PLCs are used in many industries and machines. You will gain the necessary skills and certification to prepare you for employment in the automation and associated building services industries.

It is a 10 day modular course, (75 guided learning hours).

Course Content

- **Module 10.1**
Understand the internal architecture of PLCs, their applications, and knowledge of the number systems they use.
- **Module 10.2**
Understand the typical input and output devices with PLCs, their selection, and how they are interfaced to the PLC.
- **Module 10.3**
Investigate and understand the basic programming techniques used with PLCs.

- **Module 10.4**

Produce a correctly developed programme for a PLC to control a specified process, and document the complete programme to a satisfactory standard.

- **Module 10.5**

Understand how to monitor PLC operation, force devices and fault find PLC controlled processes.

Qualifications Awarded

Successful completion will result in the award of **EAL Level 3 Award in Programmable Logic Controllers**.

Employment Opportunities

Employment prospects are good both nationally and globally in engineering sectors such as Manufacturing, Rail, Electrical and Mechanical Engineering.

TOP

Eligibility

Service leavers interested in this course will be expected to have a minimum requirement of basic level Engineering Skills (Mechanical or Electrical). It will particularly suit Service leavers with a HNC/HND or electronics background.

Before choosing this course [click here to download the pre-course reading](#) which will help you understand the course and its suitability.

Course Duration

10 days - course will be run in association with Gateshead College at their premises in Team Valley.

Course held at:

Skills Academy for Automotive, Engineering,
Manufacturing and Logistics
Kingsway South
Team Valley Gateshead NE11 0SU
Tel: 0191 490 2430
Fax: 0191 440 9414

Course, Examination and Associated Fees

This course is delivered by Right Management and sits outside the MOD contract-funded training programme and therefore, Service leavers are required to fund the course before attendance. The fees to be **paid direct to the Course Booking & Information Centre** in advance as soon as possible after course booking or your place may be re-allocated. Payment to be made by credit/debit card over the phone.

FOR ALL FEES PLEASE CLICK HERE.

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Funding

For all funding advice please speak to your Service Resettlement Advisor.

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TO BOOK: (02894) 456200 or mil (9491) 56200
email: Coursebookings@ctp.org.uk

Periodic Inspection and Testing of Electrical Installations

Aim of the Course.

This course offers the Service leaver the opportunity to gain City & Guilds qualifications at Level 3 in the Periodic Inspection and Testing of Electrical Installations.

Course Content

This course is designed to enable the Service leaver to understand the principles, practices and legislation in accordance with statutory and non-statutory regulations and requirements.

It will provide the knowledge and skills to undertake Periodic inspection, testing and condition reporting of electrical installations.

Qualifications Awarded

The City & Guilds for the Periodic Inspection and Testing of Electrical Installations examination is in 3 parts:

One Practical and two on-line examinations are taken whilst on the course.

Further Details

Students **must** purchase the required literature prior to starting this course. A list of books required for each course along with the current RTC prices can be found at the **link below**. Books from the RTC can be purchased **on the first morning** of the course but if you wish to purchase prior to attendance they are also available from good bookshops or from the publications department of the IET (Tel No: 01438 767328).

Please note: Students without the required literature will be unable to complete the course.

TOP

Eligibility

Service leavers will have passed the Domestic Full Scope course (including 17th Edition) and the Initial Verification Inspection and Testing course at the RTC. Exceptionally, those who can demonstrate at least equivalent knowledge and experience may be accepted for entry after referral and acceptance by the RTC Engineering Department. As this course builds on previous experience of domestic and 3-phase I&T, those who do not meet all pre-requisites will be out of their depth and may not be permitted to sit assessment for safety reasons.

Colour blindness can be a restriction depending upon it's severity and should be identified and confirmed with an optician's certificate.

Course held at:

RTC Aldershot

Course Fees

This is a contract funded course, no money is required for course fees but the IRTC grant reduces by 5% (currently £26.70) for each days training.

Examination and Associated Fees

These are levied by the awarding body and is a **non-refundable payment on booking**.

[FOR ALL FEES/BOOK PRICES PLEASE CLICK HERE.](#)

Funding

For all funding advice please speak to your Service Resettlement Advisor.

Course Duration

5 days training at the RTC

Right Management reserves the right to cancel and/or amend course dates, times, contents and venues as listed on this website. Every effort will be made to give the Service leaver as much notice as possible and a reasonable course alternative or alternatives may be suggested, if possible. If this is not possible or the alternative(s) is/are not acceptable to the Service leaver, Right Management, who deliver all non-contract courses listed, may refund in full the total amount paid to date for non-contract funded courses, or, in the case of MOD Contract Funded courses, in agreement with the MOD, the Service leavers IRTC grant will not be notionally reduced.

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