

Refrigeration, Air-conditioning and Heat Pump Technician Apprenticeship

Qualification	City & Guilds Refrigeration, Air Conditioning and Heat Pump Diploma 6090 Level 3
Based at	Gravesend Campus
Length of apprenticeship	3 Years
Hours	Attendance at College for the first two years, of one day a week (8 hours) in term time and one five-day block release for year 2 assessment during the second year. During the third year one day a week during term time, until the employer considers the candidate suitably qualified for an end point assessment (EPA) this point is known as the Gateway.
Entry requirements	GCSE English and maths grades 4 (C) or above essential
Description	Subject areas covered are the laws associated with the product (scientific and legal) F Gas regulations, all the underpinning knowledge associated with the area, pipe bending, soldering and brazing, plus practical work associated with installation, maintenance and servicing of complex refrigeration, air conditioning equipment and heat pumps
Assessment methods	Up to the Gateway there will be City & Guilds exams C&G 6090 -20 & 30, F- Gas assessments Category 1, and an apprentice development journal. The apprentice development journal will consist of a record of your work over the second and third year. The End Point Assessment (EPA) will be carried out at an independent point of assessment. This four day assessment will consist of a professional discussion based on your apprentice development journal, a knowledge exam, and a practical exam with RACHP equipment. Once the employer is content that the apprentice is ready to be put forward for the EPA, North Kent College will assist in the booking of the EPA and support you in preparation for your EPA
Maths & English content	Apprentices must have grade 4 (C) in both maths & English and will therefore be exempt from further study
Progression options	This standard is designed to meet the standards of the Engineering Council for registration as an Engineering Technician in partnership with the Institute of Refrigeration and CIBS
Contact	Andrew Seall andrewseall@northkent.ac.uk

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Delivered in the workplace with 20% off-the-job training in partnership with North Kent College. This will typically take 36 months.



Gateway to end point assessment

English & maths Level 2

Level 2 Certificate F Gas and ODS Regulations Category 1

Gateway Form
Employer confirms apprentice has acquired the required knowledge, skills and behaviours to progress to EPA. This must include a completed Apprentice Development Journal and appropriate on programme learning outcomes and must be verified by way of a gateway form signed by Employer and apprentice.



End point assessment (Final 3-6 months)

Apprenticeship results and grading is generated on aggregate of three assessment methods

Knowledge & Skills Test
Multiple choice marked by end point assessment organisation

Practical Test
2-3 days of practical tests assessed by independent assessor

Professional Interview
supported by the apprentice development journal synopses and assessed by independent assessor

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