

**ABBE**  
Quality Accredited



## **ABBE/iRed Level 2 Award in Thermal Imaging for Buildings**

Qualification Specification

ABBE Qualification Code: AwardTIBL218

**May 2019**

### **Why this document is being revised**

This document has been revised by ABBE in May 2019. A summary of the changes made to this document is, as follows:

- New address added to 1.4

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# 1. ABBE

## 1.1 Introduction

ABBE, the Awarding Body for Building Education is a forward thinking organisation that offers a range of apprenticeships, qualifications, benefits and support.

ABBE is regulated by Ofqual for the delivery of a range of qualifications. Our qualifications are nationally recognised helping learners to achieve their full potential and ambitions. The full range of qualifications can be found on our website.

## 1.2 Mission Statement

**Our Values - Quality through Standards:** Our aim is to provide a high quality experience by building a strong community of mutual support and trust. We can use our collective talents to build meaningful partnerships to help us all to achieve our goals. ABBE is a recognised Awarding Organisation with strong professional integrity.

**Our Vision:** Is that every learner is confident, successful and has the opportunity to achieve their full potential.

**Our Mission:** ABBE Educates, inspires and empowers learners

## 1.3 Qualification Specification

This is the ABBE Qualification Specification for the ABBE Level 2 Award in Thermal Imaging for Buildings. The aim of this specification is to provide learners and centres with information about the content of this qualification.

This specification is a live document and, as such, will be updated when required. Additional qualification details are available for ABBE approved centres in the ABBE qualification handbook.

## 1.4 Enquiries

Any enquiries relating to this qualification should be addressed to:

ABBE  
Birmingham City University  
University House  
15 Bartholomew Row  
Birmingham  
B5 5JU

Telephone: 0121 331 5174  
Email: [abbeenquiries@bcu.ac.uk](mailto:abbeenquiries@bcu.ac.uk)  
Website: [www.abbeqa.co.uk](http://www.abbeqa.co.uk)



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## 2. iRed

### 2.1 Introduction to iRed

iRed is the UK's leading thermal imaging consultancy and training centre, providing specialist thermal imaging surveys and accredited infrared training across the UK and worldwide.

In operation before thermal imaging had been accepted as a mainstream inspection tool, iRed has always used the latest techniques, technologies and industry practices to deliver thermal analysis solutions for a variety of clients within commercial, industrial and scientific industries.

Working closely with leading educational institutions including the [University of Portsmouth](#) and [Coleg Cambria](#), iRed has been able to pioneer new techniques and practices for industry. This has led to iRed being approved by both the [British Institute of Non-Destructive Testing](#) (BINDT) and the [Awarding Body of the Built Environment](#) (ABBE) to deliver certified training in infrared thermography.

### 2.2 Enquiries

Any enquiries relating to this training course should be addressed to:

iRed Ltd  
Unit 6, The Old Flour Mill,  
Queen Street,  
Emsworth  
Hampshire PO10 7BT

Tel: 01243 370296  
Email: [ray.faulkner@ired.ac.uk](mailto:ray.faulkner@ired.ac.uk)  
Website: [www.ired.ac.uk](http://www.ired.ac.uk)



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## 3. Qualification Information

### 3.1 Who is this training course for?

The Thermal Imaging for Buildings course is designed for built environment professionals looking to gain basic competency in infrared thermography.

The course, ideal for building professionals including surveyors, architects, insulation specialists, replacement window installers, roofing contractors, inspectors and energy assessors. It will teach delegates how to use thermal imaging cameras within the built environment. This will enable them to use infrared cameras to detect air leakage, missing insulation, thermal bridging, damp and heat loss.

This course is suited for delegates not requiring an ISO Certified (Accredited) thermal imaging qualification.

Successful completion of the course provides eligibility for the upcoming Elmhurst Thermography Scheme (scheduled to be introduced mid-September 2018).

### 3.2 How is the training structured?

Delivered over 3 days, the Thermal Imaging for Buildings course provides delegates with the skills and knowledge to thermally inspect and assess domestic properties and commercial buildings against a pass / fail criteria.

#### Day 1 will cover:

- Basics of Infrared Thermography
- Thermal camera set-up
- Thermal Camera Operation

#### Day 2 will cover:

- Building fabric applications
- Practical exercises
- Practical Survey

#### Day 3 will cover:

- Image Tuning
- Post processing
- Report writing



### 3.3 Qualification Units

To achieve this qualification, learners must successfully complete all of the following units.

<b>Unit Ref:</b>	<b>Unit Name</b>	<b>Assessment Method</b>
TIB1	Thermal Imaging for Buildings	Multiple Choice Examination
TIB2	Determine the thermal condition of buildings by assessment of tuned thermal images	Images & report

### 3.4 Further Information

All course bookings are through iRed.

For further information please visit the website [www.ired.ac.uk](http://www.ired.ac.uk) OR contact one of iRed's Learning Advisors on telephone: 01243 370296 or e-mail: [training@ired.ac.uk](mailto:training@ired.ac.uk)





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