



TALENTFORGE

West Suffolk Skills Development Programme

This project is funded by the UK Government through the UK Shared Prosperity Fund

INTRODUCTION TO THERMAL IMAGING

Who is this course suitable for?

An introductory course perfect for newcomers to any industry where thermal imaging is used such as construction, conservation, healthcare, automotive, agriculture, engineering, security and surveillance.

What can I expect to learn?

The course focuses on how to use a thermal imaging camera for data collection and analysis.

Overview of the subjects covered include:

- History of Thermal Imaging
- Heat Transfer Mechanisms
- Electromagnetic Spectrum
- Wavelength & Frequency
- Emissivity Basics
- Infrared Radiation
- Reflected Apparent Temperature
- Direct Temperature Measurement
- Environmental Conditions
- Kinetic Theory of Matter
- Basic Image Capture
- Basic Image Analysis
- Storage & Maintenance
- Choosing a Camera
- Analytical Software

How Long is the course?

The course typically takes 4 hours to complete

How and where do I study?

This is an e-learning course and can be started at any time. You can complete the learning at a time that suits you, in the comfort of your own home or whilst at work. The learning materials are diverse and include presentations, reading assignments and quizzes. You will require a laptop or tablet to complete the learning online.

Are there any exams or assessments?

Yes, there is an online multiple-choice quiz that you will be required to pass, that is taken on completion of the learning.

Will I achieve a qualification or certificate?

Yes, successful completion of the quiz will achieve a Continuing Professional Development (CPD) approved iRed certificate, signifying proficiency.

Are there any costs?

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Yes, employers are required to pay 20% contribution towards the costs of this course which is £16.50

How do I apply?

<https://wsc.ipegs.co.uk/webforms/Mzg0NDA=>

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