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West Suffolk  
Council



# TALENTFORGE

## West Suffolk Skills Development Programme

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

### THERMAL IMAGING FOR BUILDING PROFESSIONALS (E LEARNING)

- **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 from 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?**

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

- **How do I apply?**

Please email [adultskillsinfo@easterneducationgroup.ac.uk](mailto:adultskillsinfo@easterneducationgroup.ac.uk)

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