



ABBE Level 3 & 4 Diploma

## Air Conditioning Energy Assessment

### Course Itinerary – Air Conditioning Level 3

<i>Day One</i>	Overview of legislation and the requirements for air conditioning inspection Theory of Refrigeration System Thermodynamics Properties of refrigerants System faults and fault-finding
<i>Day Two</i>	Air Conditioning Systems/Equipment The inspection methodology The reporting software
<i>Day Three</i>	Developing recommendations and producing the report Practical case study exercises Details of allocated Assessor and Examination dates.

#### Other Details

A buffet lunch and refreshments are provided on all Energy Solutions Courses. For specific dietary requirements please contact 0151 548 6600 in advance of your course. A pad and pen is required for the duration of the course. We would also recommend a digital camera, measuring device and also a laptop computer to be brought on the course. The *Air Conditioning software required is provided by Energy Solutions.*

#### What is included within the course package:

- Three days classroom based training
- A dedicated member of our assessment team
- Air Conditioning Energy Assessment Software.
- All Course materials
- Two attempts at ABBE examination
- Continuous guidance, assessment and feedback

# Course Itinerary – Air Conditioning Level 4

*Day One* Welcoming and Introduction to the course and Qualification requirements.  
Course structure and Organisation.  
Portfolio Building.  
Overview of legislation and the requirements for air conditioning inspection  
Theory of Refrigeration system  
Thermodynamics  
Properties of refrigerants

*Day Two* Faults and Fault-finding  
Air Conditioning Systems/Equipment  
Air Conditioning Technology (complex systems)  
The inspection methodology  
The reporting software

*Day Three* Developing recommendations and producing the report  
Case study exercises on complex air conditioning systems  
Assessment process  
Details of allocated Assessor and Examination dates

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- Two attempts at ABBE examination
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## More information

For more information or for further details regarding the above courses please contact Energy Solutions on 0845 310 2407 ...