

GATR  
Miller House  
120 Cambridge Science Park  
Milton Road  
Cambridge CB4 0FZ

---

Telephone (Courses) 0208 864 4813  
Telephone (Office) 01223 420 400  
Mobile 07581 843 737  
Web [www.gatr.co.uk](http://www.gatr.co.uk)

## Electrical Installation Construction and Testing Course

This course is designed for suitably trained fire investigators from the public and private sectors.

The course normally consists of three groups of delegates; however; this is flexible. The groups are normally formed of 2 to 4 attendees. Each group constructs an electrical installation on to a pre-built 2x2 metre timber stud wall sections. The electrical installation includes the cut-out assembly (electrical intake), meter, isolation switch, two RCD Consumer Units and the electrical circuits, as found in a conventional residential building.

The lighting circuits include two-way and intermediate switching. On completion of the electrical installation, inspection and testing is explained and undertaken whilst supervised by the delegates in accordance with BS7671 (UK wiring regulations). The testing includes the completion of the appropriate IET model forms.

A fourth wall section with a three-phase fused switch and a three-phase distribution board is connected to the other three single-phase wall sections via appropriate cables. All four wall sections would be connected to a three-phase supply (by the instructor) and a number of demonstrations undertaken. The demonstrations include simulating a 'lost neutral' and the overloading of a final circuit cable.

A copy of a text book titled "Advanced Electrical Installation Work - Level 3" by Trevor Lindsey ISBN-10: 0415825784 is provided to each student on the course.

