



## City & Guilds 2391-20

### Electrical Installation Design, Erection and Verification

This five day short course is for anyone involved in, or wishing to become involved in the design, construction and inspection and testing of electrical systems. It is also a nationally recognized benchmark qualification for companies seeking a qualifying manager and a natural progression for anyone who already holds City & Guilds 2391-10.

The qualification is in three parts, a three hour written examination, a practical assessment and a design project (carried out after the course). Exemption of the practical assessment is allowed if the candidate already holds City & Guilds 2391-01 or 2391-10 Inspection and Testing certificate.

We strongly recommend that prospective candidates should have a minimum of City & Guilds 2381 or 2382; as during the course it will be assumed you are already familiar with the technical language and have a working knowledge of BS 7671.

The five-day course will provide the candidate with all the necessary information and knowledge to design an electrical installation; the focus being on cable sizing, routing and management, taking account of environmental influences.

Design calculations will be carried out manually but the use of software cable sizing packages will be discussed. During the course, a typical new commercial installation will be used as the basis for the design of an electrical system using architects' drawings.

Overlays will be used to indicate proposed cable routing using British Standard symbols and cables will be selected to be suitable for aesthetic and environmental conditions.

Design calculations will be produced to validate the disconnection time and each circuit for compliance with the wiring regulations and allow the person responsible for inspection and testing to compare actual values with design values. Time will also be given to the project structure.

The Project will be started during the course but candidates will be given 2 months to complete it. It is expected to take candidates 15 hours and email communication with the tutor is required during that time.

**Duration:** 5 days

**Cost:** £745 +VAT [£894]

*Includes examination registration fee, course notes and buffet lunch each day.*