

What is the course about?

The IET Wiring Regulations is a British standard for the installation of electrical wiring and is considered to be one of the most important documents for electricians in the UK. The regulations apply to the design, erection, and verification of electrical installations, plus additions and alterations to existing installations. As such, the wiring regulations is an essential publication for all professionals working in the electrotechnical engineering services industry.

The 18th Edition Wiring Regulations (BS 7671:2018), written by the IET (The Institution of Engineering and Technology) and the Standards Policy and Strategy Committee, was published in July 2018, and came into effect in January 2019. This replaces the 17th Edition, which was first published in 2008 and updated in 2015, and includes changes such as new and revised regulations, new chapters, and restructured sections.

Why should I choose the course?

If you work in electrical installation you will need to make sure that you are designing and installing to the latest regulations to ensure the protection of persons, livestock, and property, as well as the proper function of electrical installations.

What will I learn?

Examples of some of the significant changes in the 18th Edition are listed below:

- Protection against electric shock – Chapter 41 (Section 411 contains a number of significant changes).
- Metallic pipes entering the building.
- The maximum disconnection times for some final circuits.
- Regulation 411.3.3 has been revised and now applies to socket-outlets with a rated current not exceeding 32A.
- A new Regulation 411.3.4 requires that, within domestic (household) premises, additional protection by an RCD shall be provided for AC final circuits supplying luminaires.
- Protection against thermal effects - Chapter 42.
- A new Regulation, 421.1.7, has been introduced recommending the installation of Arc Fault Detection Devices (AFDDs) to mitigate the risk of fire in AC final circuits of a fixed installation due to the effects of arc fault currents.
- Selection and erection of wiring systems - Chapter 52.
- This is a significant change. Regulation 521.10.202 requires cables to be adequately supported against their premature collapse in the event of a fire and applies throughout the installation, not just in escape routes as previously.
- Electric vehicle charging installations - Section 722. This section contains significant changes to Regulation 722.411.4.1 concerning the use of a PME supply. Changes have been made to requirements for external influences, RCDs, socket outlets and connectors.

Energy efficiency – Appendix 17. This is a new appendix that provides recommendations for the design and erection of electrical installations.



What will the course lead on to?

This course, which counts as continuing professional development (CPD), will keep you up to date with the latest changes in BS7671.

Are there any links with industry and university?

This is an industry required qualification. In order to comply with the changes in regulations, you need to have this qualification.

What support is available?

We have a team of staff dedicated to providing learning support if required, as well as a Welfare Team that is on hand to offer guidance, support and help when needed. Additionally, eligible students can access a wide range of finance and funding support to help them during their time at college.

Click here for learning support: <https://wvr.ac.uk/college-life/learning-support>

Click here for finance support: <https://wvr.ac.uk/college-life/financial-support>

Why should I choose to study the course at Warrington & Vale Royal College?

This course is delivered by highly experienced staff who will share their skills and industry knowledge with you. Our teaching staff are committed to ensuring you receive a first-rate learning experience throughout your time at the college. Teaching staff will provide you with the skills, knowledge, and behaviours required to pass this course. Resources and teaching materials will be provided.

What are the entry requirements?

Although there are no formal entry requirements for this course, you should have a basic knowledge of electrical installation and electrical science.

What are my funding options?

For information on funding please contact our Learner Services Team on 01925 494400 or email learner.services@wvr.ac.uk.

Are there any additional costs associated with the course?


You will need your own copy of the BS7671 before starting the course.



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