



## Electrician preparation course (basic training)

With increasing frequency the workers operating in the sphere of maintenance services, who do not have relevant electrotechnical education, have to perform works connected with electrical devices and wiring. Exactly for this reason a qualification of “A professional electrician for certain types of work” has been included in the Handling and Safety Advice of electrical installations and electrical equipment (Prescription 3 DGUV (previously BGV A3). Having this additional qualification, professional electricians are able to work independently and without a specialist’s guidance.



### The aim of the course

The aim of the course is to provide the basic knowledge of electrical engineering and electrical safety. The course participants also receive a training that is necessary for the qualification “A professional electrician for certain works” according to the prescription DGUV 3.

### Course content

- ▶ Dangers connected with the electric current
- ▶ Occupational safety measures - observation of the safety rules while working with the electric devices
- ▶ Revision of the first aid course
- ▶ Responsibility of the specialist and the manager; specific electrotechnical requirements in an enterprise
- ▶ Exam

**Practical classes** (according to the prescription DGUV 3/regulation 303-001 (previously BGG 944)):

- ▶ Definition of basic quantities: electric current, voltage and resistance
- ▶ Portable electrical equipment inspection in accordance to the prescription DGUV 3 / VDE 0702
- ▶ Inspection of new and renovated electrical installations
- ▶ Inspection of lighting equipment, sockets and stationary equipment
- ▶ Inspection of installations and electromagnetic switches
- ▶ Working with wires and cables, mounting of electric cables
- ▶ Construction of distributors, allocation of protective devices and their connection, cable cross-section
- ▶ Connection of sockets and lamps; connection of electric devices and engines.
- ▶ Electric installation works, construction and mounting of electric installations.
- ▶ Reading of electric circuits, connection of tie breakers, operational knobs and time reg relays connection
- ▶ Choosing and substituting of electric switchgears
- ▶ Circuit schematics of basic protection.
- ▶ Fault tracing

### Target audience

The course is designed for wide - profile mounters.

### Prerequisite skills and knowledge

In order to apply for this course, participants must have a work experience in service industry carrying out obligations of the electrician in houses, organizations and industrial enterprises.

### Issued documents

After completing the course and successfully passing an exam a person acquires a certificate issued by TÜV Rheinland Akademie.



### **Course duration**

80 academic hours

### **Price for the course**

From 710,00 €

### **Contact information**

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