



Erasmus+ KA 202 - Strategic partnership for vocational and educational training

Cooperation of innovation and the exchange of good practices

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for virtuelles Museum



TECHnical partNership towards Innovation and Cooperation for VET

Electronic technician automation technology



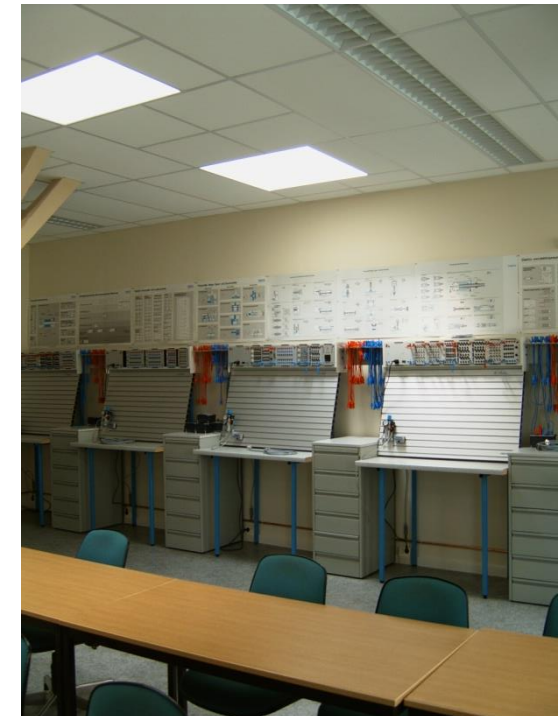
Professions type	Occupation requiring formal training
Kind of education	Dual training in industry and trade
Period of traineeship	3,5 years
Learning places	Apprenticing company and vocational training school

■ Where you work

Electronic technician for automation technology analyze electronic systems and functional units. They Plan and carry out electrical installations and Provide information-technical systems

■ Electronic technician for automation technology work primarily

- in companies of electrical installation
- in factorys, Mechanical engineering, toolmaking
- in addition they work if necessary outdoor





Work activities:

Electronics technicians for automation technology analyze functional relationships and process sequences of automated systems. They install and adjust electrical, hydraulic or pneumatic drive systems and install measuring, control and regulating equipment. Build measuring, control and control equipment and assemble, operating systems and configure, program and adjust networks. Typical fields of activity are for example production automation, process automation, network automation, traffic management systems and building automation systems. The installed components connect them to complex automation equipment that integrates them into an overall system. After test runs, they hand over the systems and assign the future users to the operation. Electronics technicians for automation technology maintain automated systems and rectify faults.

What is important?

Requirements:

- Technical understanding (for example when assembling and maintaining automation systems)
- Working with technical devices, machines and installations (eg measuring, control and regulation equipment)
- skills and Eye-Hand-Coordination (eg assemble modules, make electrical connections)
- Precision, precision work (for example mounting and adjusting microtechnical switches and sensors)

school subjects:

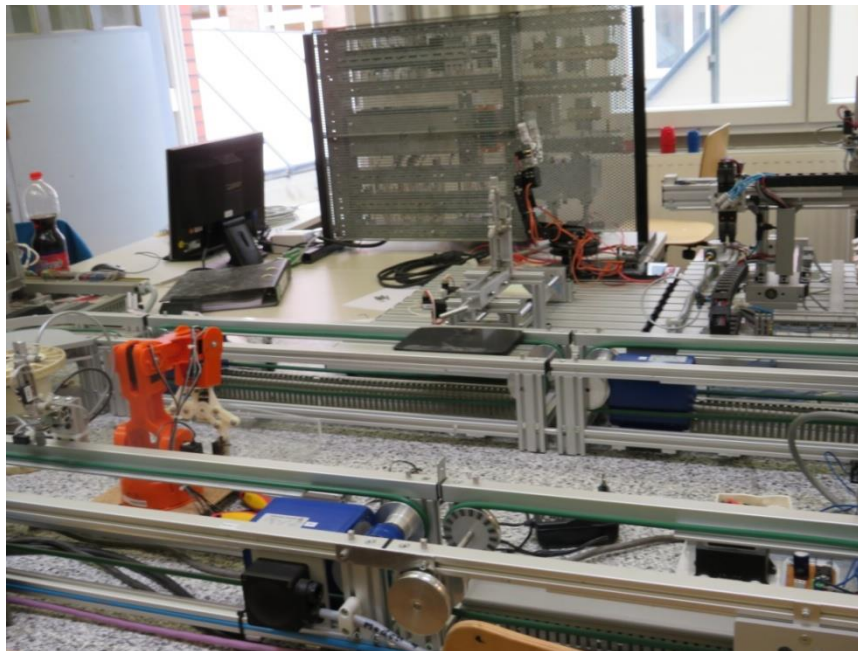
- Mathematic (e.g. for the calculation of electrical quantities)
- Computer science (e.g. for access to programming and computer-based work processes)
- Works / technic (e.g. during assembly and disassembly of components in cabinets technical drawing)



Opportunities after training

Legally no specific education is required. In practice, companies mainly employ trainees with a secondary education degree. After completing their training, electronics technicians for automation technology work in companies that develop, manufacture or use automation solutions.

Career progression helps to progress professionally and to reach leadership positions. The obvious thing is to take the exam as an industrial master in the field of electrical engineering. With a university entrance qualification, you can also study and acquire, for example, a Bachelor's degree in automation technology, electrical engineering or energy technology to the training.



Source: Federal Employment Agency Germany, BERUFENET – Stand 17.04.2019 | Version 4.79.1e179c-0b77ac.

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