



## Vocational Training as a Computer Scientist in EFZ

armasuisse offers a vocational training in computer science as an application developer or systems engineer.

### Requirements

- Completion of secondary school (special sec or secondary school)
- Very strong performance in the subjects Mathematics, Physics and English
- Good appraisal of working and learning behaviour
- Quick grasp of facts
- Diligent approach to work
- High degree of independence and reliability

### Activities as an Application Developer

Computer scientists in the field of application development usually work in a team with other specialists. You assess the problem, develop possible solution proposals and identify their advantages and disadvantages. You then need to implement or program the optimum solution and put it through rigorous tests before it is launched.

You examine problems and create solution proposals using information technology tools.

You program software applications, test them and adjust them as necessary. You train users to utilise the new software. Document solutions and customisations in a manual.

### Activities as a Systems Engineer

Computer scientists in the field of system technology install hardware and software, expand device configurations and train users. Safety and protection of the information always play an important role here.

You plan, implement and administrate ICT networks (LAN, WLAN), and set up workplaces by installing hardware and software. You operate and monitor Internet servers so that users can work on an uninterrupted basis. You are also responsible for the backup and ensure that no data is lost. You ensure that information is protected and can be distributed safely.

### Further Education

#### **Professional Examination (BP) with Federal Certificate:**

ICT application developer, ICT system and network engineer, business computer scientist, mediamatician

#### **Swiss Higher Qualifying Exam (HFP)**

Graduate ICT manager ICT Security Expert

#### **Higher Vocational Education (HF)**

Courses in the field of Computer Science, such as business computer scientist HF, engineer HF computer science etc.

#### **University of Applied Sciences (FH)**

Courses in the field of computer science, such as Bachelor FH in Computer Science, Bachelor FH in Business Computer Science