



The candidates who have accomplished the criteria of the final examination will receive a **certificate of apprenticeship of Liechtenstein as well as a report card** and they have the right to assume this legally protected occupational title.



1. LEGALLY PROTECTED TITLE

Polymechnic

2. DESCRIPTION

Polymechnics are skilled with work techniques such as drilling, cutting threads, turning, milling, grinding, assembling, adjusting, measuring, checking and start-up. Polymechnics plan their work based on construction blue prints and bills of materials. They decide what kind of production process and what kind of machines should be used to produce certain parts. They choose to use either conventional or computer-controlled machines, so-called CNC machines and are able to program and control these machines. They use single mechanical parts to assemble machines or complete systems, integrate externally supplied parts and carry out the necessary adjustments and testing.

Nowadays, machines and systems often contain pneumatically and electronically controlled parts. Therefore, polymechnics require vast expertise in various fields and skills. Accordingly, their training is multifaceted and diverse. It includes everything from materials processing to set-up of machines and systems.

This translation does not have a legal status.

3. PROFILE OF PROFESSIONAL SKILLS AND QUALITIES

Those who have completed this professional training successfully will have gained competence in the following areas of study: manual or mechanical product and assembly engineering, project planning and processing, construction and prototype design, production support, work shop facilities construction, parts design, turning workpiece production, production processes, solving tasks arising from the various realisation phases of a work order or process, familiarising themselves with new tasks, developing and implementing solutions, generating reports and presenting the solution as well as completing occupational tasks independently or in a team with other experts.

The main focus of the training is based on at least one operational field of activity such as: project planning and processing / construction / prototype design / production support / work shop facilities construction / parts design / turning workpiece production / production processes / assembly / automation / maintenance.

4. PROSPECTIVE PROFESSIONAL FIELDS OPEN TO HOLDERS OF A POLYMECHANIC CERTIFICATE

Depending on the company and the product, polymechnics work in the fields of prototype design, precision engineering, work shop facilities construction, parts design, turning workpiece production, assembly, automation or maintenance. Their products include medical instruments, industrial robots as well as machine tools and construction site equipment.

Polymechnics work mostly in workshops or fabrication halls equipped with various machinery. In addition, they assemble components and machines in assembly areas. Discussions in the team are often required to exchange information and make decisions regarding procedures for certain projects and assignments.

5. LEGAL BASIS OF THE CERTIFICATE OF ACCOMPLISHMENT

<p>Authority issuing the certificate of apprenticeship Liechtensteinisches Amt für Berufsbildung Postgebäude Postfach 22 FL- 9494 Schaan</p>	<p>Status: Department of vocational and educational training Liechtenstein Controlling institution according to the vocational training law.</p>
<p>International level (national and international) of the certificate ISCED3A (CFC with general qualification for university entrance) ISCED3B (CFC without general qualification for university entrance)</p>	<p>Rating / rules of accomplishment The performance is ranked from 6 to 1. 6 is the best mark. The mark 4 and higher indicates sufficient performance. The result of the exam is shown in a cumulative grade (mean value of the subjects). The exam is passed successfully if neither the subject mark "practical assignment" nor the cumulative grade are below 4.</p>
<p>Next professional level CFC ISCED3A qualifies the holder to enter a higher vocational school with the aim to obtain the "Berufsmaturität" (final exam at a higher vocational school). After that, one may attend technical colleges and universities in Austria, Switzerland and Liechtenstein. CFC ISCED3B entitles the holder to enter vocational schools.</p>	<p>International contracts As member of the EEA Member of the United Nations</p>
<p>Legal basis</p> <ul style="list-style-type: none"> • Vocational and educational training law of the Principality of Liechtenstein of July 17th 1976 • Decree of May 31st 1977 on acknowledgement of the Swiss professional training in Liechtenstein • Rules of procedure of vocational training and the final exam of the specific profession 	

6. OFFICIALLY ACKNOWLEDGED WAYS OF OBTAINING THE CERTIFICATE OF APPRENTICESHIP

<p>Basis Swiss regulations of vocational training of August 21st, 1997 Duration 4 years Practical training The operational training is divided into a broad basic training during the first half of the apprenticeship followed by the focus training according to the selected level. Theoretical training One to two days a week at a vocational school consisting of 1800 lessons for level G and 2160 lessons for level E Profession-related courses (identical for both levels) mathematics, information technology, study and work techniques, physics, chemistry, technical English, materials and product processing, technical drawing and machine engineering, automation, speech and communication, society (law, politics, economics, culture), physical education and sports. "Berufsmaturität" generally qualifies the holder to enter a university without a qualifying examination Diploma Certificate of apprenticeship of Liechtenstein as "Qualified Polymechnic"</p>
<p>Conditions for admission Level G – Minimum requirement: completed intermediate secondary school with good performance in mathematics and physics Level E – (extended requirements) highest level of intermediate secondary school ISCED2A or incomplete upper level higher secondary school ISCED2A Candidate profile Likes processing metal and working with machines, distinct understanding of technical concepts, good intellectual grasp, good spatial sense, enjoys mathematics and physics, interested in exact work, good technical skills, careful, precise and responsible work habits, willingness for continuous education, able to work in a team.</p>