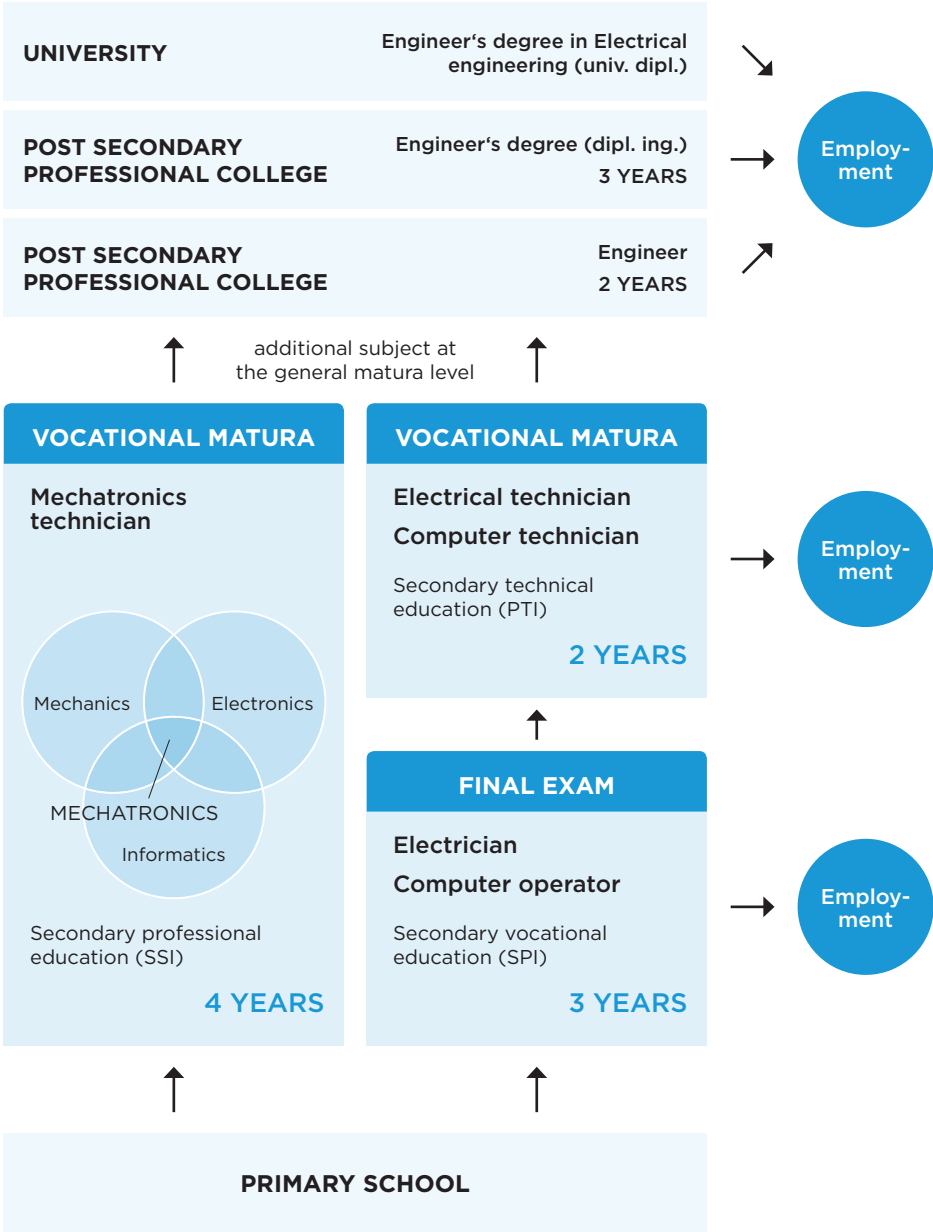


secondary school
of technical
professions
šiška





My professional path





Mechatronics technician

Program	MECHATRONICS TECHNICIAN
Qualification	mechatronics technician
Duration	4 years
Number of credit points	240
Education type	secondary professional education (SSI)
Enrolment criteria	successfully completed primary school
Completed with	vocational matura

A mechatronics operator and technician:

- carries out supervisory and control functions on the machine or production line,
- manages and sets processes, electrical and mechanic sizes and parameters,
- identifies the load of machine elements and their function in the machine,
- monitors and records required measurement parameters of the machine or line, identifies basic control components of the machine,
- prepares the machine for commissioning, detects and locates machine errors, repairs machine breakdown and replaces damaged components with original spare parts,
- monitors machine functioning, fixes and inserts material in the machine, controls work process, perform basic maintenance work,
- uses computer applications, assesses costs and provides for a well-regulated work environment,
- uses standards, complies with rules and regulations on health and safety at work and environment protection,
- elaborates technical documentation and technical instructions by employing ICT technologies.

A mechatronics operator and technician can apply for a job in:

- industry, eg. electrical, mechanical, computer, automobile, food, pharmaceutical, chemical, entertainment,
- traffic and environmental techniques,
- automated and robotised workplaces,
- lines and systems for production, design, dosage, filling, wrapping, printing, transport,
- maintenance of processing and manufacturing technology,
- service sector,
- civil mechatronics.

Options after completed studies:

- continue studies at post-secondary professional college level (2 years or 3 years),
- continue studies at university level programs (additional matura subject),
- attending matura courses,
- employment at various companies and organisations, or freelancing.



Electrician

Program	ELECTRICIAN
Qualification	electrician
Duration	3 years
Number of credit points	180
Education type	secondary vocational education (SPI)
Enrolment criteria	successfully completed: <ul style="list-style-type: none"> • primary school • lower secondary vocational education
Completed with	final exam

Electrician has the acquired knowledge to:

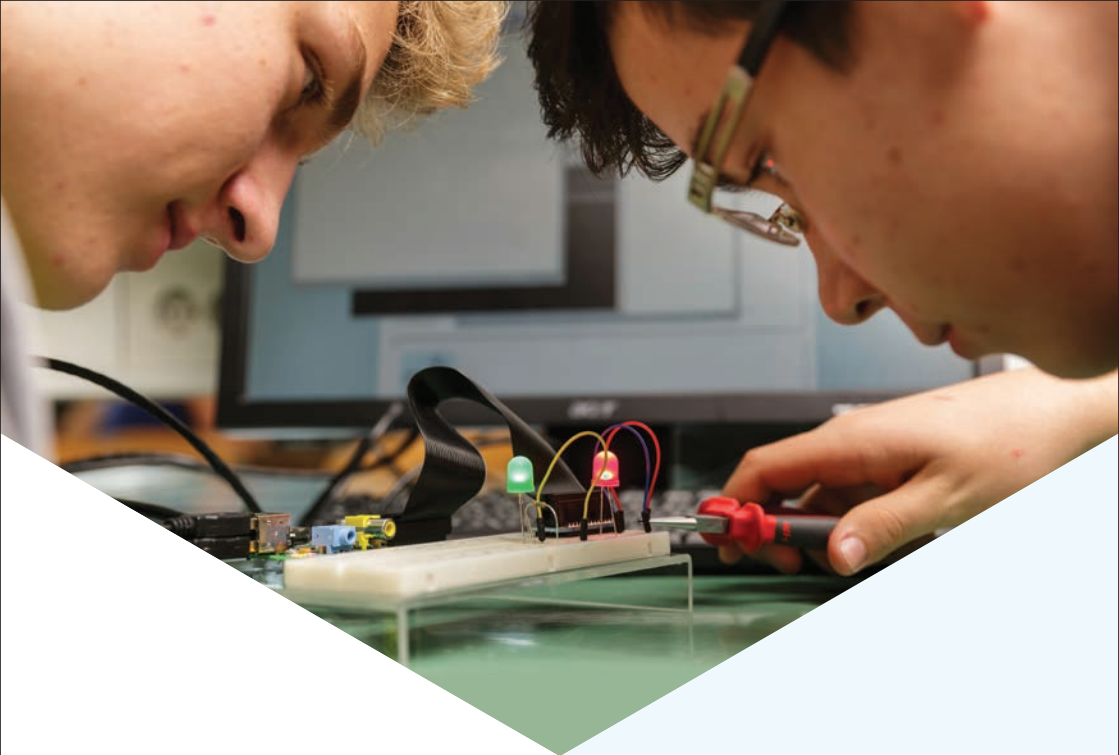
- assemble and test electronic and electro-energetic complexes and devices,
- calibrate and program simple electro-energetic and/or electronic devices,
- install, test and maintain quality of electrical devices and smaller systems,
- diagnose the operation of electrical devices and solve problems,
- perform, test and maintain classical and intelligent electro-energetic installation systems and networks,
- plan and install simple solar systems, test them and be responsible for the initial starting of computers,
- diagnose, solve problems in the system operation and maintain solar photovoltaic and thermo-voltaic solar systems.

Electrician can apply for a job in:

- production, transmission in distribution of electrical energy,
- design, testing and maintenance of classical and intelligent installations in residential, business, industrial and other buildings,
- automated processes in industry and the service sector,
- design, building and maintenance of electronic and electrical devices, machines and systems,
- repairing of electronic and electrical devices, machines and systems,
- installation and maintenance of renewable energy systems,
- installation and maintenance oh heat-pump systems.

Options after completed studies:

- continue studies at secondary technical education (PTI) for electrical or computer engineer,
- employment at various companies and organisations, or freelancing.



Computer operator

Program	COMPUTER OPERATOR
Qualification	computer operator
Duration	3 years
Number of credit points	180
Education type	secondary vocational education (SPI)
Enrolment criteria	successfully completed: <ul style="list-style-type: none">• primary school• lower secondary vocational education
Completed with	final exam

Computer operator has the acquired knowledge to:

- assemble computers, install system equipment and standard software,
- test and be responsible for the initial starting of computers,
- diagnose, fix errors in computer operation,
- write reports, install, test, perform setup, documents, diagnoses,
- fix errors and maintain quality of computer network,
- advise and help users with hardware and software,
- perform basic measurements on communications installations and equipment,
- use basic concepts of programming and designs a simple application.

Computer operator can apply for a job in:

- computer repair,
- computer sales,
- computer maintenance,
- network maintenance,
- telecommunications.

Options after completed studies:

- continue studies at secondary technical education (PTI) for electrical or computer engineer,
- employment at various companies and organisations, or freelancing.



Electrical technician

Program	ELECTRICAL TECHNICIAN
Qualification	electrical technician
Duration	2 years
Number of credit points	120
Education type	secondary technical education (PTI)
Enrolment criteria	successfully completed program of: <ul style="list-style-type: none">• secondary vocational education (SPI): electrician, computer operator, mechatronics operator or mechanic• any secondary vocational education (SPI) program and has minimally 3 years work experience in electrical technicianing
Completed with	vocational matura

Electrical technician has the acquired knowledge to:

- plan, produce and test electronic elements, circuits, devices and systems,
- repair procedures of technologies and documentation,
- calibrate and program processor navigated complexes of electronic devices and systems,
- assemble, test, diagnose electronic devices and systems,
- maintain quality of electronic devices and systems,
- manage working groups.

Electrical technician can apply for a job in:

- production, transmission in distribution of electrical energy,
- design, testing and maintenance of classical and intelligent installations in residential, business, industrial and other buildings,
- automated processes in industry and the service sector,
- design, building and maintenance of electronic and electrical devices, machines and systems,
- repairing of electronic and electrical devices, machines and systems,
- installation and maintenance of renewable energy systems,
- installation and maintenance oh heat-pump systems.

Options after completed studies:

- continue studies at post-secondary professional college level (2 years or 3 years),
- continue studies at university level programs (additional matura subject),
- attending matura courses,
- employment at various companies and organisations, or freelancing.



Computer technician

Program	COMPUTER TECHNICIAN
Qualification	computer technician
Duration	2 years
Number of credit points	120
Education type	secondary technical education (PTI)
Enrolment criteria	successfully completed program of: <ul style="list-style-type: none">• secondary vocational education (SPI): electrician, computer operator, mechatronics operator or mechanic• any secondary vocational education (SPI) program and has minimally 3 years work experience in computer technician
Completed with	vocational matura

Computer technician has the acquired knowledge to:

- plan, install, diagnose, solve problems in computer operation and maintain quality of computer networks,
- plan and program microprocessor devices for navigation and regulation of technological processes,
- program simple automated systems, survey their operation,
- diagnose, fix errors and maintain quality of their operation,
- use and maintain databases,
- manage information communication systems and information program equipment,
- manage working groups,
- edit photographs, materials to be printed and those for the electronic media,
- plan and design website applications,
- record, edit, perform and archive AV contents.

Computer technician can apply for a job in:

- repair and sales of computer and telecommunications equipment,
- maintenance of computer and TC networks in smaller and middle-sized companies,
- design and maintenance of websites for smaller and middle-sized companies,
- maintenance of studio equipment in music and TV-studios,
- maintenance of web portals
- installation, repair and maintenance of measuring equipment for computer and TC systems,
- installation, repair and maintenance at system-operator's equipment.

Options after completed studies:

- continue studies at post-secondary professional college level (2 years or 3 years),
- continue studies at university level programs (additional matura subject),
- attending matura courses,
- employment at various companies and organisations, or freelancing.

We encourage
scientific,
artistic and
sports talents







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