

Tehnik računalništva SI/tehnica računalništva SI

Selected qualifications

Name of qualification Tehnik računalništva SI/tehnica računalništva SI

Translated title (no legal status) Computer Technician SI

Type of qualification Srednja strokovna izobrazba

Category of qualification Izobrazba

Type of education Upper secondary technical education

Duration 4 years

Credits 253 credits

Admission requirements

- Elementary education or
- lower vocational education or
- equivalent education under previous regulations.

ISCED field Field
Informacijske in komunikacijske tehnologije (IKT)

ISCED subfield

subfield razvoj in analiza programske opreme in aplikacij

Qualification level

SQF 5
EQF 4

Learning outcomes

Certificate holders will be able to:

- read, plan, draft, monitor and amend technical documentation in accordance with the prescribed rules for ICT use,
- apply concepts regarding the organisation of work and economics in a technical field,
- program simple applications on programmable devices,
- program, install and wire programmable relays,
- make required settings to an operating system and provide basic user support for the use of software,
- assemble, maintain and service hardware, and rectify faults,
- lay and wire various types of electrical and communication installations,
- connect users and perform basic maintenance tasks,
- connect elements of electrical installations in switchboards, distribution and connecting devices, and select and switch electrical protections, and
- establish, maintain, protect and ensure the restoration of network services.

Elective:

- record, archive and present sound, pictures and video in digital format,
- prepare photographs and videos in terms of design,
- provide advice in the use of electronic certificates and signatures,
- protect information and communication systems against intrusions and harmful programmes,
- install and manage systems and user software,
- work with users, suppliers and clients,
- plan the development of simpler programmes,
- produce and test minor elements of major programmes,
- archive and restore databases,
- create complex inquiries,
- write server procedures and triggers for the introduction of business rules and exception handling,
- use digital photography devices,
- design websites and other documents for electronic media,
- plan and program microprocessor boards,
- control, capture and regulate microprocessor boards,
- manage hardware and software for filming, editing and showing AV content,
- use computer formats to record text, graphics, video, sound and other media content,
- manufacture and maintain simple pneumatic, electro-pneumatic and hydraulic controls, and
- program, install, start up, monitor and control the functioning and measurement of and rectify faults in simple, automated multi-device units.

The programme is adapted for provision in Slovene as the language of instruction in the ethnically mixed area of Slovenian Istria and also has the following special objectives:

- to develop communication skills in Italian and Slovene,
- to develop knowledge of the natural, cultural and historical heritage of the Italian national community

and its mother nation,

- to teach respect for and understanding of ethnic and cultural diversity and promote cooperation between members of the Slovene nation and Italian national community.

Assessment and completion

Students' vocational competences and skills, and the fulfilment of conditions to obtain credits in accordance with the education programme are established through testing and assessment. Assessment of students also takes into account non-formally acquired knowledge, which must be adequately demonstrated. Students are assessed using scores from 5 (excellent) to 1 (inadequate).

Progression

Students may progress to the next year if at the end of the academic year they achieve a positive assessment in all general education subjects and relevant vocational modules set out in the school's operational curriculum and have completed all extracurricular activities and work placement requirements.

Transitions

Matura/vocational course, higher vocational education (SQF level 6), professional higher education (SQF level 7) and academic higher education (SQF level 7).

Condition for obtaining certificate

Students must successfully (i.e. with positive scores) complete general education subjects, compulsory and elective vocational modules, and the open part of the curriculum. They must also complete extracurricular activities and work placement requirements and pass the vocational matura examination. The vocational matura comprises a compulsory section (written and oral examinations in Slovene and healthcare) and an elective section (written and oral examination in mathematics, a foreign language or Italian, and service with oral presentation).

Awarding body

Secondary vocational and technical schools.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=8861>

