

Avtoservisni tehnik/avtoservisna tehnica

Selected qualifications

Name of qualification Avtoservisni tehnik/avtoservisna tehnica

Translated title (no legal status) Automotive service technician

Type of qualification Srednja strokovna izobrazba

Category of qualification Izobrazba

Type of education Upper vocational-technical education

Duration 2 years

Credits 120 credits

Admission requirements

The programme can be attended by anyone who has completed the programme of secondary vocational education and acquired one of the following titles:

- car mechatronic, vehicle body repairer, car painter, car mechanic, car tinsmith or
- installer of machine installations, tinsmith-roofer, construction mechanic, toolmaker, machine mechanic, metal shaper, precision mechanic, watchmaker, electrician/electronic engineer, electrician/energetic engineer, industrial mechanic, computer operator , with three years of work experience in the automotive.

Anyone who acquired an equal level of education in line with previous regulations may also enter this education programme.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield motorna vozila, ladje in letala

Qualification level

SQF 5
EQF 4

Learning outcomes

The holder of the certificate is qualified to:

- control the function of various engines by using diagnostic devices;
- systematically search and localise errors or malfunctions and methodically diagnose the state of the vehicle by using measuring tools and devices;
- test vehicles, set them in accordance with the manufacturers' technical specifications, eliminate functional errors in engines;
- use specialist terminology, process data in order to acquire information, manage service documentation;
- study and use technical and technological documentation as well as technical plans and instructions issued by manufacturers;
- maintain and service mechanical, pneumatic, hydraulic, electric and electronic systems, devices and sections;
- control and assess the level of tear and wear as well as usefulness of parts, while considering optimum function, and select procedures or repair technology;
- plan economically justified operations on a vehicle, prepare calculations and calculate the cost of repair or operations on vehicles;
- install, maintain and repair comfort, safety and information systems as well as additional equipment for vehicles;
- provide advice for customers in selecting or purchasing vehicles and explain the necessary repair and maintenance work to them;
- assess the scope and type of damage on vehicles, localise and eliminate errors;
- implement and ensure health and occupational safety as well as environment protection measures;

Optional:

Motor vehicle electronic systems:

- diagnose the function of electric and electronic devices, determine the point of error on electronic parts and repair them;
- measure dimensions and determine the state of individual elements within electronic systems, devices and sections;

Motor diagnostics:

- test and systematically identify and eliminate errors in the injection or ignition system and systems supporting the motor's function;
- measure exhaust gas emissions and analyse and evaluate measurement results;

Motor vehicle transmission systems:

- test the function of elements of clutches, gear changes, reduction gears, differentials and transmission shafts or transmission systems;
- maintain, service or install mechanical, pneumatic and hydraulic systems and devices on the vehicle by following the manufacturer's documentation

Motor vehicle braking systems:

- maintain and service the vehicle's braking system, set and change individual parts and sections;
- diagnose by means of measuring equipment and by following the servicing documentation, as well as eliminate errors in braking systems and sections;

Electric equipment of vehicles:

- identify and determine points of error on electric equipment, auxiliary electric and steering systems, and engine start-up and power supply systems;
- maintain and service the vehicle's electric equipment by means of measurement and control instruments, devices, tools and aids

Bodywork equipment and electronics:

- diagnose, measure, control, set, maintain and repair the vehicle's heating and air-conditioning systems;
- set and maintain the vehicle's passive and active safety systems and eliminate errors occurring on those systems.

In addition, the holder of the certificate also upgraded his/her key professional skills and competences with key general knowledge and skills in line with national standards.

Assessment and completion

Students' vocational abilities and skills and the fulfilment of conditions to obtain credits in accordance with the relevant education programme are established through verification and assessment. Assessment of students also takes into account non-formally acquired knowledge, which must be adequately demonstrated. Students are assessed using grades 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 passing grade in all general education subjects and relevant vocational modules set out in the school's operational curriculum, and have completed all extracurricular activities and practical on-the-job training, or progress on the basis of a programme faculty decision.

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 passing grades) complete all general education subjects, compulsory vocational modules, 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 automotive service) and an elective section (written and oral examination in a foreign language or mathematics and a product/service with oral presentation).

Awarding body

Vocational and technical secondary schools and adult education institutions.

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=5522>
