
Inženir oblikovanja/inženirka oblikovanja

Selected qualifications

Name of qualification	Inženir oblikovanja/inženirka oblikovanja
Translated title (no legal status)	Design engineer
Type of qualification	Višja strokovna izobrazba
Category of qualification	Izobrazba
Type of education	Short cycle higher vocational education
Duration	2 years
Credits	120 credits

- Matura or vocational matura (previously school-leaving examination); or
- master craftsman/foreman/shop manager examination, three years' work experience and test in general education subjects at the level required for the vocational matura in secondary vocational education.

Additional conditions for enrolment:

Candidates will present original works in the form of a portfolio:

- with at least 10 drawings of observed subjects or products of a maximum size of 50 x 70 cm, demonstrating knowledge of and proficiency in the basic laws of freehand drawing. The portfolio should contain drawings in any drawing techniques; or
- at least three products (or photographs of products with a brief description) made from one or more materials and demonstrating the candidate's knowledge of and proficiency in the basic techniques (technologies) of manufacture and design; or
- at least one maquette demonstrating the candidate's knowledge of and proficiency in the basic techniques (technologies) of design, manufacture and material.

Admission requirements

ISCED field

Field
Umetnost in humanistika

ISCED subfield

subfield modno oblikovanje, oblikovanje prostora in industrijsko oblikovanje

Qualification level

SQF 6
EQF 5
Short cycle

Learning outcomes

Students will be able to:
(general competences)

- plan, prepare, implement and check own work and the work of others,
- communicate with co-workers and experts and advise customers,
- use technical terminology and communicate in one foreign language,
- participate in an expert team and in the resolution of problems,
- carry out project work,
- lead activities and provide professional advice to the customer,
- plan human resources, be responsible for the education and training of personnel and plan the organisation of internal education and training,
- lead and participate in the process of formal and non-formal education and training,
- use modern information and communication technologies,
- develop enterprise characteristics, skills and behaviour,
- use energy, material and time rationally,
- protect health and the environment and be responsible for own safety and the safety of others,

(specific vocational competences)

- create graphic material for the manufacture of a product from a natural or synthetic material,
- evaluate the suitability of the artistic and technical plan of a product made of a natural or synthetic material,
- plan products made of natural or synthetic materials,
- create, manage and archive technical documentation relating to products made of natural or synthetic materials,
- shape blocks and slabs of natural and artificial stone in the context of architecture and landscaping,
- design industrial products made of natural and artificial stone,
- design decorative craft products made of natural and artificial stone,
- design simple sculptures,
- conserve cultural heritage items made of natural and artificial stone,
- design models for the manufacture of souvenirs and replicas,
- design, plan and manufacture maquettes and models,
- design artistic products made of wood and wood-based materials,
- design special equipment and highly complex products made of wood and wood-based materials,
- design wooden construction elements and participate in and supervise construction of other wooden products,
- design furniture,
- design items made of various metals, composites and polymers,
- photograph and make presentations of items,
- design models for the surface treatment of metals, composites and polymers,
- design and create virtual 3D computer models

Assessment and completion

Students' knowledge is assessed by means of practical exercises and seminar papers, and also via products, projects, performances, services, etc. and by examinations. Examination performance is graded as follows: 10 (excellent); 9 (very good: above-average knowledge but with some mistakes); 8 (very good: solid results); 7 (good); 6 (adequate: knowledge satisfies minimum criteria); 5–1 (inadequate). In order to pass an examination, a candidate must achieve a grade between adequate (6) and excellent (10).

Progression

Students may progress to the second year if they have successfully completed first-year modules, subjects and practical training (including practical classes, seminar papers, projects, examinations, etc.) totalling at least 45 credits, where all practical classes and practical training course units must be completed in full.

Transitions

First-cycle study programmes (SQF, level 7)

Condition for obtaining certificate

Diplomas are issued to students who complete all obligatory modules/subjects (a total of 49 credits), elective modules (61 credits), one free elective subject (5 credits) and a diploma thesis (5 credits).

Awarding body

Šolski center Srečka Kosovela Sežana, Višja strokovna šola; Šolski center Maribor, Višja strokovna šola; Lesarska šola Maribor, Višja strokovna šola

URL

<https://paka3.mss.edus.si/registriweb/ProgramPodatki.aspx?ProgramId=7180>
