SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir oblikovanja in tekstilnih materialov/magistrica inženirka oblikovanja in tekstilnih materialov

Selected qualifications

Name of qualification	Magister inženir oblikovanja in tekstilnih materialov/magistrica inženirka oblikovanja in tekstilnih materialov
Translated title (no legal status)	Master of Science in design and textile materials
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• A completed first-cycle study programme in a relevant field of design, textile materials, textiles technology or graphic arts; or
• a completed first-cycle study programme in another engineering or science field, if prior to enrolment the candidate has completed the following course units totalling 27 ECTS credits: Fibre-forming polymers 6 ECTS credits; History and culture of clothing 5 ECTS credits; Drawing and painting ECTS credits; Construction of textiles 6 ECTS credits; and Basics of textile design 6 ECTS credits; or
• a completed professional higher education programme, adopted before 11 June 2004, in a relevant field of textiles technology, design and graphic arts; or
• a completed professional higher education programme, adopted before 11 June 2004, in another engineering or science field, if prior to enrolment the candidate has completed the following course units totalling 30 ECTS credits: Fibre-forming polymers 9 ECTS credits; Fine art and culture 5 ECTS credits; Drawing and painting ECTS credits; Construction of textiles 6 ECTS credits; and Design of textile forms 6 ECTS credits.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield tekstilna, oblačilna, čevljarska in usnjarska tehnologija

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:

(general competences)

- demonstrate mastery of knowledge in the field of new technological processes, new textile materials, ecology, computer science and information science, artistic and engineering design, textile design for interiors, planning and manufacture of textile products,
- demonstrate mastery of knowledge relating to the development and placement of an original idea, show inventiveness and demonstrate knowledge of folk tradition,
- demonstrate mastery of the basics of engineering economics and environmental protection issues and activities in other fields connected with textile materials and engineering design in the textile industry,
- undertake research autonomously and creatively,
- analyse, synthesise and anticipate solutions and consequences,
- master research methods, procedures and processes, develop critical and self-critical assessment,
- apply knowledge in practice,

- perform professional work autonomously,
- develop communication skills and abilities, particularly in the international environment,
- demonstrate a capacity for ethical reflection and a commitment to professional ethics,
- show cooperativeness and work in a group (including in an international environment),

(subject-specific competences)

- demonstrate mastery of product ranges that represent good prospects for the textile and clothing industries,
- manage complex technological processes and plan technologically advanced products which can also be marketed in global markets,
- master new technological procedures and processes,
- implement other technologies in textile products (intelligent textiles),
- create new design solutions linked to new techniques and high technologies,
- adopt a holistic approach to design solutions (ecology, economics, management),
- adopt a research-based approach in the field of the development or improvement of new high-quality products,
- master and apply knowledge in the field of marketing,
- manage complex technological processes and plan products,
- keep abreast of scientific discoveries in the field of new textile fibres, materials, composites and modified textile materials and deepen their knowledge of them,
- adopt a research-based approach in the field of engineering design and textile materials,
- demonstrate a capacity for individual creative thinking and the development of new modern textile materials and their application in medicine, civil engineering, the motor-vehicle industry, agriculture, ecology,
- demonstrate proficiency in communication within an organisation and outside it with partners and customers,
- solve specific work problems through the application of scientific methods and procedures,
- demonstrate coherent mastery of basic knowledge,
- integrate and apply knowledge from various fields,
- place new information and interpretations in the context of the fundamental discipline,
- demonstrate understanding of the basic structure of the fundamental discipline and the links between its sub-disciplines,
- demonstrate understanding of and apply the methods of critical analysis and the development of theories and apply them to resolve specific work problems,
- develop skills in the application of knowledge in a specific professional field,
- use information and communication technologies and systems in a specific technical field.

Assessment and completion

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

In order to progress to the second year, students must complete first-year course units totalling 45 ECTS

credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

In order to complete the programme, students must complete all course units prescribed by the study programme, for a total of at least 120 ECTS credits.

Awarding body

Faculty of Mechanical Engineering, University of Maribor

URL

http://www.fs.um.si/en/study/study-programme/