

Diplomirani inženir oblikovanja in tekstilnih materialov (un)/diplomirana inženirka oblikovanja in tekstilnih materialov (un)

Selected qualifications

Delovni inštruktor/delovna inštruktorica ✖

Name of qualification

Diplomirani inženir oblikovanja in tekstilnih materialov
(un)/diplomirana inženirka oblikovanja in tekstilnih materialov (un)

Translated title (no legal status)

Bachelor of Science in textile materials and design

Type of qualification

Diploma prve stopnje (UN)

Category of qualification

Izobrazba

Type of education

Academic bachelor's education

Duration

3 years

Credits

180 credits

Admission requirements

- Matura or
- vocational matura in any secondary school programme and an examination in one of the following matura subjects: chemistry, mathematics, physics, computing or a foreign language the selected subject may not be a subject which the candidate has already taken in the vocational matura; or
- school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield tekstilna, oblačilna, čevljarska in usnjarska tehnologija

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

The qualification holder will be able to:

(general competences)

- design and plan products with regard to adequate workmanship, quality and price and carry out independent technical evaluations on the basis of scientific analysis and synthesis,
- integrate the basics of engineering economics and environmental protection issues with the issue of textile materials and engineering design in the textile industry,
- quickly and creatively link theory and practice through organised, professional and supervised practical work,
- show greater creativity and innovation as the result of interdisciplinary study,
- 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 knowledge from the field of engineering design, textile materials, computer science and information science, planning and manufacture of garments, ecology, environmentally friendly textile engineering, environmental policy, engineering management, measuring techniques,

production processes and waste management,

- supervise existing technological procedures and modernise them,
- design and plan products with regard to adequate workmanship, design, quality and price,
- autonomously and creatively perform various tasks in the textiles field in the business sector,
- communicate within an organisation and outside it with partners and customers,
- demonstrate familiarity with and understanding of the foundation and history (of development) of the fundamental discipline,
- 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

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

In order to progress to the second year, students must have completed at least 45 ECTS credits through first-year examinations and practical training, where completion of first-year practical training is compulsory. In order to progress to the third year, students must have passed all first-year examinations (60 ECTS credits) and practical training and have completed at least 40 ECTS credits through second-year examinations and practical training, where completion of second-year practical training is compulsory.

Transitions

Second-cycle master's study programmes (SQF level 8)

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 180 ECTS credits.

Awarding body

Faculty of Mechanical Engineering, University of Maribor

URL

http://www.fs.um.si/fileadmin/Documents/FS/Studij/1stopnja/UNI/Oblikovanje_in_tekstilni_materiali/Design_and_Textile_materials_1_cycle_Academic_study_programme.pdf
