SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir metalurgije in materialov/magistrica inženirka metalurgije in materialov

Selected qualifications

Name of qualification	Magister inženir metalurgije in materialov/magistrica inženirka metalurgije in materialov
Translated title (no legal status)	Master of Science in metallurgy and 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 metallurgy and materials; or
• a completed first-cycle programme in another engineering or science field (mechanical engineering, chemistry, physics, etc.) if prior to enrolment the candidate has completed course units essential for further studies, consisting of between 20 and 60 credits; or
• a completed professional higher education programme in Metallurgical technology, if prior to enrolment the candidate has completed course units essential for further studies, consisting of between 20 and 60 credits; or
• a completed professional higher education programme under an old Metallurgical technology programme, if prior to enrolment the candidate has completed course units essential for further studies, consisting of 20 credits; or
• a completed professional higher education programme under a former programme in another engineering or science field (mechanical engineering, chemistry, physics, etc.), if prior to enrolment the candidate has completed course units essential for further studies, consisting of between 20 and 60 credits.

ISCED field

Field
Tehnika, proizvodne tehnologije in gradbeništvo

ISCED subfield

subfield metalurgija, strojništvo in kovinarstvo

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:

- demonstrate mastery of fundamental theoretical knowledge from the natural sciences and mathematics fields of chemistry, physics, mechanics, mathematics and information technology, comparable to the best European universities in related sectors,
- apply basic professional knowledge of interdisciplinarily connected fields characteristic of the functioning of metallurgical technologies in order to provide responsible and high-quality management of technologies, supervise them and point out possibilities for improvement and innovations,
- communicate with co-workers and experts from related disciplines, thus enabling active participation in multidisciplinary groups,
- participate in a cycle of courses of lectures from doctoral programmes,
- analyse, synthesise and demonstrate understanding of the influence of technical solutions on environmental and social relations,
- demonstrate understanding of the principles of leadership and understanding of business practice
- demonstrate understanding of own professional and ethical responsibility,

- pursue autonomous learning and lifelong learning.

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

Students may enrol in the next year if by the end of the academic year they have completed course units prescribed by syllabuses consisting of at least 48 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 prescribed course units, for a total of 120 ECTS credits.

Awarding body

University of Ljubljana, Faculty of Natural Sciences and Engineering

URL

http://www.ntf.uni-lj.si/en/