SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister medicinske fizike/magistrica medicinske fizike

Selected qualifications

Name of qualification	Magister medicinske fizike/magistrica medicinske fizike
Translated title (no legal status)	Master of Science in medical physics
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 one of the following fields: physics, mathematics; or
• a completed first-cycle study programme in another field, if prior to enrolment the candidate has completed course units essential for further study totalling 10–60 credits; outline conditions for enrolment in the medical physics programme are: at least three semesters of physics, including at least one semester of modern (atomic, nuclear) physics (at least 30 physics credits), at least three semesters of mathematics (at least 25 mathematics credits), at least three semesters of practicum in physical and engineering disciplines (at least 20 practicum credits); or
• a completed professional higher education programme under the old programme in one of the following fields: physics, mathematics; or
• a completed professional higher education programme under the former programme in another field, if prior to enrolment the candidate has completed course units essential for further studies, consisting of 10–60 credits.

ISCED field

Field
Naravoslovje, matematika in statistika

ISCED subfield

subfield fizika

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:

- demonstrate coherent mastery of basic knowledge in the field of medical physics,
- integrate this knowledge with other broad fields important for the diagnosis and treatment of diseases, such as anatomy, physiology, radiobiology, etc.,
- address specific work-related problems such as planning radiotherapy, calibration of measuring instruments, quality assurance with regard to the functioning of medical devices,
- demonstrate understanding of the general structure of medical physics and connections with its subdisciplines, in particular radiotherapy physics, diagnostic radiology physics, nuclear medicine physics and healthcare physics,
- demonstrate familiarity with the information and communication technologies and systems used in medical diagnostics and treatment.

Assessment and completion

Examination performance is scored 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 from the first year to the second year, students must have completed 45 credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

In order to complete the programme, students must pass all examinations, pass a viva voce examination, and write and defend a master's thesis.

Awarding body

University of Ljubljana, Faculty of Mathematics and Physics

URL

https://www.fmf.uni-lj.si/en/