

Magister inženir radiološke tehnologije/magistrica inženirka radiološke tehnologije

Selected qualifications

Name of qualification

Magister inženir radiološke tehnologije/magistrica inženirka radiološke tehnologije

Translated title (no legal status)

Master of Science of Radiological Technology

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 first-cycle (Bologna) study programme in the professional field of radiological technology or
- a first-cycle (Bologna) study programme in other professional fields (physics, medicine or dental medicine, midwifery, occupational therapy, physiotherapy, orthopaedic technology, sanitary engineering, nursing care and physical measurement technology) if before enrolment the candidate has completed study requirements essential for the continuation of studies from the professional higher education programme in radiology (first Bologna cycle) totalling 59 credits or
- a professional higher education programme adopted before 11 June 2004 in the professional field of radiology or
- a professional higher education study programme in other professional fields (physics, medicine or dental medicine, midwifery, occupational therapy, physiotherapy, orthopaedic technology, sanitary engineering, nursing care and physical measurement technology) if before enrolment the candidate has completed study requirements essential for the continuation of studies from the professional higher education programme in radiological technology (first Bologna cycle) totalling 59 credits.

ISCED field

Field
Zdravstvo in socialna varnost

ISCED subfield

subfield medicinska diagnostična in terapevtska tehnologija

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

The qualification holder will be able to:
(general competences)

- analyse complex professional problems and synthesise appropriate solutions; participate constructively in an interdisciplinary team,
- demonstrate physical and radiobiological knowledge on which recent radiological diagnostic and therapeutic technologies are based,
- perform work in accordance with applicable legislation on protection from ionising radiation in diagnostic procedures, optimise radiation doses and evaluate the correctness of the use of ionising radiation from the point of view of risk and benefits for patients,
- demonstrate an integrated approach to quality assurance in the selected professional field,
- critically read and write scientific and professional texts,
- use quantitative and qualitative methods of data collection and analysis in concrete research problems,
- carry out research in own narrow professional field,
- demonstrate knowledge that enables use of modern information and communication technologies in

- the selected professional field,
- obtain and use information from various sources and monitor new development trends in radiological technology,
 - demonstrate awareness of the importance of information security and the problems caused by the use of information and communication technologies in healthcare,
 - demonstrate knowledge of recent theoretical concepts, approaches and modern forms of organisation, knowledge of processes in organisation and management tasks, knowledge of the importance of systems for the division of work and teamwork, knowledge of concepts for the development of total quality,
 - acquire knowledge for the introduction of improvements and changes in the practice of radiological technology,
 - undertake independent study in own professional field, demonstrate well-developed learning skills, demonstrate a positive attitude and sense of responsibility with regard to own learning, acquire and apply information from various sources; show awareness of the importance of lifelong learning,
 - transfer knowledge to students of the first-cycle professional higher education programme in radiological technology,

(subject-specific competences)

- define necessary and optimal capacities of procedures and elements with regard to the desired quality of the radiological image,
- demonstrate knowledge of innovations in radiobiology,
- demonstrate knowledge in the field of protection from radiation and apply it in practice; demonstrate knowledge of the principles of protection from ionising radiation (justification, optimisation and limit values) in accordance with applicable legislation and international recommendations, and apply them in work with patients, keep up to date with domestic and international legislation in this field,
- analyse complex professional problems and synthesise appropriate solutions,
- ensure the quality of the technological part of diagnostic, interventional and therapeutic radiological procedures.

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, the candidate must achieve a grade between adequate (6) and excellent (10).

Progression

In order to enrol in the second year the student must obtain at least 50 ECTS credits. Exceptionally, the Studies Committee may approve the enrolment in the second year of a student who has achieved at least 40 ECTS credits in the first year.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

To complete their studies, students must meet all requirements for all subjects in which they have enrolled, and prepare and defend a master's thesis.

Awarding body

University of Ljubljana, Faculty of Health Sciences

URL

<https://www.zf.uni-lj.si/en/>
