SLOVENSKO
OGRODJE
KVALIFIKACIJ

Magister inženir gozdarstva/magistrica inženirka gozdarstva

Selected qualifications

Name of qualification	Magister inženir gozdarstva/magistrica inženirka gozdarstva
Translated title (no legal status)	Master of Science in forestry engineering
Type of qualification	Diploma druge stopnje
Category of qualification	Izobrazba
Type of education	Master's education
Duration	2 years
Credits	120 credits

Admission requirements

• Completed first-cycle academic programme in Forestry and renewable forest resources or a comparable first-cycle programme in the field of forestry provided by a faculty in Slovenia or abroad, or
• completed first-cycle academic programme in another field at a faculty in Slovenia or abroad, if the candidate additionally completes 10 to 60 credits from the selection of subjects under the first-cycle academic programme Forestry and renewable forest resources, or
• completed first-cycle professional higher education programme in Forestry or a professional higher education programme adopted prior to 11 June 2004, Forestry and forest resource management or a comparable professional higher education programme in the field of forestry provided by a faculty in Slovenia or abroad, or
• completed first-cycle professional higher education programme or professional higher education programme adopted prior to 11 June 2004 in another field at a faculty in Slovenia or abroad, if the candidate additionally completes 10–60 credits from the selection of subjects under the two first-cycle study programmes (Forestry and renewable forest resources, Forestry).

ISCED field

Field
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield gozdarstvo in lov

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

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

- integrate a variety of fundamental and technical knowledge, chiefly in the natural science, technical and social studies fields,
- demonstrate comprehensive knowledge of forest ecosystems,
- work in a group and on projects,
- demonstrate environmental responsibility and an ethical attitude to nature,
- communicate with co-workers, owners and the public,
- pursue self-study and professional development,
- solve professional developmental problems and master the basics of research work,
- master modern IT and high-quality written communication,
- use modern tools and skills,
- analyse, synthesise and plan,

(job-specific competences)

- comprehensively manage forests in terms of ecological, economic and social aspects,
- coordinate public and private interests in forest use,
- understand the dependence between forest growth areas, stands, ecological factors, the social environment and cultivation approaches,
- show familiarity with the morphological, horological, ecological and physiological characteristics of (forest) plants, the basics of genetics, forest seed production and nursery work,
- determine the production capacity of forest growth areas and research the structure of forest ecosystems,
- evaluate forest ecology data,
- solve forest cultivation problems, formulate forest replacement and rehabilitation plans,
- independently develop cultivation models,
- determine the value potential of forests and their exploitation,
- select and apply methods for analysing the habitat characteristics of wild game, population sizes and other population parameters,
- pursue conservation management of wild animal populations,
- show familiarity with and master pathogenic processes in trees and forests,
- show familiarity with the bionomy, ecology and importance of forest fauna for trees and forests,
- show familiarity with rare and endangered species of animals in forests and what makes them endangered,
- design technological chains in forestry,
- manage a forestry company,
- design and evaluate safe work in forest production based on a work study,
- economically evaluate forests and forest functions and market forest products,
- plan sustainable, environment-friendly and multi-purpose forest management,
- place landscape ecology concepts and spatial models in forest management in the landscape and in protected areas,
- show familiarity with methods for drawing up strategies, plan and head projects,
- open up the forest space in an integrated way and design forest infrastructure,
- cooperate in planning forest rehabilitation,
- formulate a plan for regulating flash flood areas,
- manage urban forests and the cadastral register of trees in a city,
- participate in spatial planning,
- understand interdisciplinary connections in identifying and formulating problems in the area of forestry.

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

Enrolment in the second year requires the passing of the following examinations: Landscape forestry, Introduction to professional and research work, Communication and public relations, Elective methodological subject, Sustainable forest cultivation, Forest economy planning, Forest policy, Planning

the technology of wood production, Research methods in forestry II. Students thereby complete 44 credits.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

To complete their studies, students must complete all requirements for all subjects in which they have enrolled, in a total amount of 120 credits, and write a master’s thesis which they defend before a committee.

Awarding body

University of Ljubljana, Biotechnical Faculty

URL

http://www.bf.uni-lj.si/en/deans-office/study-programmes/master-study-programs-second-cycle/forestry-and-managing-forest-ecosystems/