


Diplomirani inženir gozdarstva (un)/diplomirana inženirka gozdarstva (un)

Selected qualifications

Diplomirani komunikolog (un)/diplomirana komunikologinja (un) 

Name of qualification

Diplomirani inženir gozdarstva (un)/diplomirana inženirka gozdarstva (un)

Translated title (no legal status)

Bachelor of Science in forestry engineering

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 a secondary school programme for forest technician and an examination in biology (matura subject), or an examination in any matura subject if the candidate has already passed the stated subject in the vocational matura; 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
Kmetijstvo, gozdarstvo, ribištvo in veterinarstvo

ISCED subfield

subfield gozdarstvo in lov

Qualification level

SQF 7
EQF 6
First level

Learning outcomes

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

- master fundamental knowledge,
- integrate a variety of knowledge, chiefly from the natural science, technical and social studies fields,
- demonstrate comprehensive knowledge of forest ecosystems,
- work in a group and on projects,
- keep abreast of and develop literacy in the field of forestry IT,
- show 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 understand research work,
- use modern tools and skills,
- analyse, synthesise and plan,

(job-specific competences)

- understand ecological, economic and social aspects of forest management,
- understand 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 and the basics of genetics, forest seed production and nursery work,
- show familiarity with the geological base, forest floors and phytocoenoses, their role in forest ecosystems, master the French-Swiss methods for studying forest vegetation and apply phytocoenological findings in practice,
- determine the production capacity of forest growth areas and understand the structure of forest ecosystems,

- understand the evaluation of forest ecology data,
- understand and formulate forest cultivation plans,
- select and apply methods for analysing the habitat characteristics of wild game, population sizes and other population parameters,
- show familiarity with the population and ecology characteristics of forest-bound game species and the principles for conservation management of populations,
- show familiarity with harmful abiotic factors and biotic causes of disease to woody plants in forests, their symptoms, biology and ecology,
- show familiarity with the bionomy, ecology and importance of forest fauna for trees and forest, and especially show familiarity with rare and endangered animal species in forests and what makes them endangered,
- understand the technological chains in forestry,
- organise forestry production processes,
- evaluate safe work in forest production,
- understand the economic evaluation of forests and forest functions and market forest products,
- understand the planning of sustainable, co-natural and multi-purpose forest management,
- use GIS and remotely obtained data in forest inventories,
- use tools for geodetic measurements and GPS,
- obtain data and information, organise data using linear algebra and computer support,
- understand and use the basic methods of decision-making and optimising.

Assessment and completion

Students' knowledge is assessed by means of practical classes 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

Enrolment in the second year requires the passing of the following examinations: Mathematics, General chemistry, Geology, Meteorology, Forest zoology and zooecology, Practical computing, Botany and plant physiology, Dendrology and breeding of forest trees, Pedology and soil microbiology. Students thereby complete 51 credits. Enrolment in the third year requires the passing of all first-year examinations (60 credits) and the following examinations: Forest entrepreneurship, Forest phytocoenology, Organisation of forestry work, Forest products, Dendrometry and remote data collection, Landscape ecology, Research methods in forestry I, Wood production, Forest phytopathology. Students thereby complete 50 credits from the second year, giving a total of 110 credits.

Transitions

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

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 180 credits. Practical training and a diploma thesis are not compulsory. If they are selected, they accrue credits as set out in the programme syllabus.

Awarding body

University of Ljubljana, Biotechnical Faculty

URL

<http://www.bf.uni-lj.si/en/deans-office/study-programmes/academic-study-programmes/forestry-and-renewable-forest-resources/>
