

# Magister matematične statistike/magistrica matematične statistike

## Selected qualifications

Magister matematične statistike/magistrica matematične statistike



### Name of qualification

Magister matematične statistike/magistrica matematične statistike

### Translated title (no legal status)

Master of Science in mathematical statistics

### 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 (Bologna) study programme in mathematics or financial mathematics; or
- a completed first-cycle (three-year) academic study programme in an engineering, natural science or social science field, where the programme included at least 10 mathematics credits; such fields include physics, computer science, information science, civil engineering and mechanical engineering; or
- a completed three-year academic study programme in any field; prior to enrolment candidates must also complete course units essential for further study; these requirements are determined with reference to the candidate's field of study and consist of between 10 and a maximum of 20 credits; or
- a completed old (pre-Bologna) or new (Bologna) professional higher education programme in practical mathematics; prior to enrolment, students must also complete course units essential for further study, consisting of 45 credits from a first-cycle academic programme in mathematics or a first-cycle academic higher education programme in financial mathematics, where these credits must include examinations in the following subjects: Algebra 2, Algebra 3, Analysis 3, Analysis 4 and Seminar 2 in a first-cycle mathematics programme; or
- a completed old (pre-Bologna) or new (Bologna) professional higher education programme in any field; prior to enrolment, students must also complete course units essential for further study, consisting of 60 credits from a first-cycle academic programme in mathematics or a first-cycle academic higher education programme in financial mathematics; these course units are determined with regard to the candidate's field of study.

## ISCED field

Field  
Naravoslovje, matematika in statistika

## ISCED subfield

subfield statistika

## Qualification level

SQF 8  
EQF 7  
Second level

## Learning outcomes

The qualification holder will be able to:

(general competences)

- use abstraction and analyse problems,
- synthesise and critically assess solutions,
- apply knowledge in practice,

- share knowledge, communicate professionally and express themselves in writing,
- search for sources and critically assess information,
- undertake autonomous professional work and work in an (international) group,
- develop professional responsibility and ethics,

(subject-specific competences)

- demonstrate mastery of basic knowledge of mathematical statistics,
- demonstrate mastery of the latest statistical approaches in individual fields,
- draw ideas and solutions from related problems,
- transfer new knowledge to their own field,
- solve complex and demanding methodological problems,
- critically assess various approaches,
- use complex IT (programming) tools.

## 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 enrol in the second year, students must have completed all first-year course units.

## Transitions

Third-cycle doctoral study programmes (SQF level 10)

## Condition for obtaining certificate

In order to complete the programme, candidates must pass all examinations, including a final 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/>

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