Magister profesor matematike/magistrica profesorica matematike

Selected qualifications

Inženir živilstva in prehrane/inženirka živilstva in prehrane ❌

Name of qualification

Magister profesor matematike/magistrica profesorica matematike

Translated title (no legal status)

Master of Arts in teaching mathematics

Type of qualification

Diploma druge stopnje

Category of qualification

Izobrazba

Type of education

Master's education

Duration

5 years

Credits

300 credits

Admission requirements

• Matura or
• vocational matura in any four-year secondary school programme and an examination in a matura subject, which may not be a subject which the candidate has already taken in the vocational matura; the subjects taken in the matura or vocational matura must include mathematics; or
• school-leaving examination (prior to 1 June 1995) under any four-year secondary school programme.

ISCED field

Field
Izobraževalne znanosti in izobraževanje učiteljev

ISCED subfield

subfield izobraževanje učiteljev s predmetno specializacijo

Qualification level

SQF 8
EQF 7
Second level

Learning outcomes

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

- demonstrate a capacity for abstraction and analysis of problems, and synthesise and critically assess solutions,
- cooperate with others,
- demonstrate self-confidence, autonomy and responsibility in contacts with others,
- communicate,
- work in a group while taking into account diversity, multiculturalism and ethnicity,
- give consideration to different value systems,
- solve problems effectively,
- teach effectively,
- plan and manage time,
- demonstrate proficiency in teaching/learning strategies and different methods of checking and assessing knowledge,
- take into account the developmental characteristics and specificities of children, secondary school students and adult participants in education (hereinafter: students) in order to encourage successful learning,
- develop students' capacities for lifelong learning,
- use information and communication technologies or develop information literacy in students,
- cooperate with the working and social environment (with society and in society): with staff at the school, other schools and institutions and experts in the field of education, parents and other persons responsible for students,
- demonstrate a capacity for technical communication,
- communicate and work in team,
- communicate at the local, regional, national, European and wider global levels,
- demonstrate a capacity for ongoing professional development (lifelong learning),
- reflect self-critically on own work and evaluate it,
- improve the quality of own work by developing study and research skills,

- communicate, be open to advice and contemporary findings in own professional environment, develop and create knowledge,
- demonstrate a capacity to organise and lead, with good knowledge of own profession and regulations governing the functioning of the school,

(subject-specific competences)

- demonstrate knowledge of basic mathematical disciplines (e.g. algebra, analysis, geometry),
- demonstrate a capacity to think logically and prove easier theorems,
- plan, implement and evaluate learning process,
- reflect on own teaching practice,
- promote modern didactic concepts,
- demonstrate knowledge and understanding of the developmental capacities and needs of individual,
- demonstrate knowledge of concepts in education,
- prepare, lead and evaluate project-based teaching in the field of mathematics,
- use modern technologies in education,
- use software relevant to mathematics,
- demonstrate knowledge and understanding of the institutional frameworks of work,
- demonstrate proficiency in dealing with questions of professional ethics,
- demonstrate knowledge of individual values and value systems,
- participate creatively in research and development projects aimed at improving the quality of educational work.

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 a higher year, students must complete at least 54 ECTS credits in subjects from the current year, where the following examinations are compulsory:

- for enrolment in the second year: Analysis 1, Algebra 1 and Computer science practicum,
- for enrolment in the third year: all first-year examinations, Analysis 2a, Analysis 2b, Algebra 2 and General topology,
- for enrolment in the fourth year: all first- and second-year examinations, Analysis 3,
- for enrolment in the fifth year: all first-, second- and third-year examinations.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

To complete their studies, students must pass all examinations, complete a placement, pass 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/