
Magister profesor biologije in .../magistrica profesorica biologije in ...

Selected qualifications

Name of qualification	Magister profesor biologije in .../magistrica profesorica biologije in ...
Translated title (no legal status)	Master of Arts in teaching biology and ...
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 study programme consisting of at least 180 credits in the field of biology for education; or
- a completed first-cycle study programme consisting of at least 180 ECTS credits in the field of biology or ecology with nature conservation, if prior to enrolment the candidate has completed course units essential for further study, totalling 14 ECTS credits; or
- a completed first-cycle study programme consisting of at least 180 ECTS credits in the field of the natural sciences, biotechnology or medicine, if prior to enrolment the candidate has completed course units essential for further study, totalling 29 ECTS credits; or
- a completed professional higher education programme adopted before 11 June 2004 in the field of biology for education; or
- a completed professional higher education programme adopted before 11 June 2004 in biology or ecology with nature conservation, if prior to enrolment the candidate has completed course units essential for further study, totalling 14 ECTS credits; or
- a completed professional higher education programme in the field of the natural sciences, biotechnology or medicine adopted before 11 June 2004, if prior to enrolment the candidate has completed course units essential for further study, totalling 29 ECTS credits.

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)

- analyse and synthesise technical and didactic knowledge and envisage solutions to technical and didactic problems,
- integrate contents in an interdisciplinary manner,
- apply knowledge in practice for the resolution of various problems,
- think creatively and encourage creative thinking in students,
- work creatively and autonomously,
- demonstrate knowledge and understanding of diversity and multiculturalism and observe the principle of non-discrimination in work,
- use a research approach both in the discipline and in education,

- use ICT in teaching and other professional work and develop information literacy in students,
- conduct technical dialogue, participate in international projects and design and manage projects,
- reflect on and evaluate the results of own work,
- apply previously acquired theoretical knowledge in practical cases,

(subject-specific competences)

- demonstrate understanding and application of curriculum theories and basic didactic principles,
- use a research approach and orientation in problem-solving and responsibly direct own professional development in the process of lifelong learning,
- demonstrate knowledge and understanding of the development processes, differences and needs of individuals or groups,
- demonstrate good knowledge of own profession and regulations governing the work of schools,
- provide adequate technical literacy to students in the field of education in biology and related subject areas,
- demonstrate knowledge and application of biological concepts, procedures and theories and apply biological knowledge in various educational contexts,
- demonstrate knowledge of and integrate biological concepts, procedures and theories and apply it in social/natural science contexts such as environmental education and health education,
- demonstrate knowledge and application of established biological terminology,
- demonstrate professional proficiency in the syllabuses, contents and concepts of higher education, secondary, vocational and elementary subjects with biology content in order to create learning conditions that enable students to build high-quality knowledge (durability, transferability, integrity),
- demonstrate the highest level of proficiency in the specific organisational forms of teaching biology subjects: design of project days, leading study circles, mentoring research projects, cross-curricular planning and implementation of lessons, and research,
- demonstrate advanced knowledge and skills in laboratory and experimental techniques in the field of biology,
- transform a technical text from a field of biology into language that is comprehensible to students,
- demonstrate knowledge of regulations and education legislation relating to laboratory work and work with living organisms,
- resolve biological and other problems connected to the discipline and teaching of biology through the use of information and communication technologies,
- demonstrate proficiency in the safe handling of apparatus and work in the biology laboratory and in ethical and safe work with living organisms and biological materials,
- maintain and protect biological and didactic collections,
- demonstrate proficiency in the technologies necessary for the teaching of biology,
- evaluate the results of own work in the field of biology education according to the principles of action research,
- develop teaching aids designed to illustrate biology lessons,
- organise and lead education.

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

A condition for progression to the second year is the completion of at least 24 ECTS credits. The subjects completed must include Didactics of biology and Practical training for teaching biology 1. The above conditions for progression relate to the second-cycle two-subject teacher training programme Biology for education. In order to progress to a higher year, students must also meet the conditions envisaged by the other selected two-subject study programme.

Transitions

Third-cycle doctoral study programmes (SQF level 10)

Condition for obtaining certificate

Students must complete all requirements defined by the study programme in order to complete their studies.

Awarding body

University of Maribor, Faculty of Natural Sciences and Mathematics

URL

http://fnm.um.si/index.php?option=com_content&view=article&id=399&Itemid=34&lang=en
