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# Magister profesor kemije in .../magistrica profesorica kemije in ...

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## Selected qualifications

Name of qualification	Magister profesor kemije in .../magistrica profesorica kemije in ...
Translated title (no legal status)	Master of Arts in teaching chemistry 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 chemistry for education; or
- a completed first-cycle study programme consisting of at least 180 ECTS credits in the field of chemistry, if prior to enrolment the candidate has completed course units essential for further study, totalling 14 ECTS credits, and a corresponding number in the other part of the two-subject study programme; or
- a completed first-cycle study programme consisting of at least 180 credits in the field of chemical and natural sciences. Candidates must complete the course units essential for further study prior to enrolment. These course units consist of 5 to 30 ECTS credits and a corresponding number in the other part of the two-subject study programme; or
- a completed professional higher education programme adopted before 11 June 2004 in a chemistry or natural science field, if prior to enrolment the candidate has completed course units essential for further study, totalling 5–30 ECTS credits, and a corresponding number in the other part of the two-subject study programme; or
- a diploma from an academic higher education programme in a relevant field, adopted before 11 June 2004, and a diploma from a professional higher education programme in a relevant field, adopted before 11 June 2004; course units totalling up to 30 ECTS, along with a corresponding number in the other part of the two-subject study programme, will be recognised for candidates who have also completed a specialisation 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 analytical and synthetic thinking and understanding of more complex concepts in education science,
- demonstrate knowledge of the fundamental fields of chemistry and education science,
- critically assess research achievements in the field of chemical science and transfer them flexibly for the needs of the curricula of programmes of elementary and secondary chemistry education,
- seek out sources of knowledge and apply scientific methods to solve applied problems in the field of chemistry education,

- communicate orally and in writing and cooperate/work as part of a team,
- demonstrate autonomy in teaching work,
- demonstrate information literacy,
- communicate in a foreign language for the needs of teaching activities, in particular with regard to chemistry terminology,
- create an optimal and encouraging learning environment,

(subject-specific competences)

- integrate selected aspects of different knowledge from the field of the methodology of chemistry education and apply these connections in areas of the curricula of current programmes of elementary and secondary vocational, technical and vocational-technical education,
- demonstrate a capacity for didactic and technological planning and the preparation and implementation of visits to companies in the chemical industry and related industries,
- demonstrate awareness of problems concerning the environment, in the environment, for the environment and society from the point of view of chemistry, and address such problems as components of the curricula of elementary and secondary education programmes,
- demonstrate proficiency in IT skills in connection with working with chemical information and data,
- demonstrate proficiency in IT skills such as word processing, working with spreadsheets, inputting and storing chemical data, etc.,
- effectively incorporate ICT in the field of chemical sciences into teaching and learning.

## 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

All first-year requirements from laboratory exercises must be met and at least 18 ECTS credits accumulated for progression to the second year. The subjects completed must include Didactics of chemistry 1 and Experiments 1. 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=959&Itemid=34&lang=en](http://fnm.um.si/index.php?option=com_content&view=article&id=959&Itemid=34&lang=en)

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