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# Diplomirani inženir laboratorijske biomedicine (un)/diplomirana inženirka laboratorijske biomedicine (un)

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## Selected qualifications

<b>Name of qualification</b>	Diplomirani inženir laboratorijske biomedicine (un)/diplomirana inženirka laboratorijske biomedicine (un)
<b>Translated title (no legal status)</b>	Bachelor of Science of biomedical engineering
<b>Type of qualification</b>	Diploma prve stopnje (UN)
<b>Category of qualification</b>	Izobrazba
<b>Type of education</b>	Academic bachelor's education
<b>Duration</b>	3 years
<b>Credits</b>	180 credits

## Admission requirements

- Matura or
- vocational matura in any secondary school programme and an examination in one of the matura subjects: biology, chemistry, physics or biotechnology (the chosen subject may not be a subject in which the candidate has already been examined for the vocational matura) or
- final examination (before 1 June 1995) for any four-year secondary school programme.

## ISCED field

Field  
Zdravstvo in socialna varnost

## ISCED subfield

subfield medicinska diagnostična in terapevtska tehnologija

## Qualification level

SQF 7  
EQF 6  
First level

## Learning outcomes

The qualification holder is qualified to:

- analyse, critically evaluate and find solutions to specific laboratory problems that appear in various working environments,
- demonstrate autonomy in professional work and the analysis of professional problems,
- undertake individual professional work and research, work in a group and demonstrate the knowledge necessary for the communication and publication of results,
- demonstrate relevant knowledge for the understanding, introduction, application and evaluation of modern techniques and methods used in the professional and research spheres of laboratory medicine,
- ensure quality procedures,
- demonstrate an appropriate ethical and professional character for work with patients and human biological material and work in biomedical research,

(subject-specific competences)

- solve specific problems in connection with the analysis of human biological samples,
- master modern analytical techniques in medical laboratories with a special emphasis on technical execution and requirements for achieving precision and accuracy of results,
- learn how to assess the utility of laboratory test results in order to evaluate the subject's health status,
- familiarise themselves with legislation, regulations and ethics in the field of laboratory medicine,
- integrate and interpret new developments in the field of laboratory biomedicine,
- understand laboratory biomedicine as an interdisciplinary field connected to mathematical sciences and medicine,
- develop new analytical methods or applications for specific biological samples (EF, HPLC, ELISA, etc.)
- use modern information technologies (e.g. on-line computer programs for designing the most favourable oligonucleotide primers, etc.).

## 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, the candidate must achieve a grade between adequate (6) and excellent (10).

## Progression

In order to progress to the second year, students must meet in full the requirements defined by the programme and syllabuses for the first year, obtaining a total of at least 51 ECTS credits, although the missing requirements may not include the subject Cell biology with genetics. In order to progress to the third year, students must meet in full the requirements defined by the programme and syllabuses, obtaining a total of 60 ECTS credits for the first year and 60 ECTS credits for the second year.

## Transitions

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

## Condition for obtaining certificate

A condition for completing studies is that the candidate has successfully completed all study requirements defined by the programme, for a total of 180 ECTS credits.

## Awarding body

University of Ljubljana, Faculty of Pharmacy

URL

[http://www.ffa.uni-lj.si/en/study/academic-programmes/laboratory-biomedicine-\(1st-stage\)](http://www.ffa.uni-lj.si/en/study/academic-programmes/laboratory-biomedicine-(1st-stage))

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