

1. Name of the Certificate ¹

Field of study 2840 M biotechnology and pharmacology

2. Translated title of the Certificate ²

Študijný odbor 2840 M biotechnológia a farmakológia (sk)

3. Profile of skills and competences

The holder of the certificate is able:

- to communicate correctly in the official language, both verbally and in writing,
- to communicate using one world language at least at the B1 level per the Common European Reference Framework,
- to adapt to changing living and working conditions, to work in a team and to take responsibility for assigned tasks,
- to work with information, to use information and communication technologies and equipment,
- to apply mathematical relations and the laws and physics and chemistry when resolving practical tasks,
- to apply the principles of financial literacy, consumer protection and to understand business and the work,
- to act environmentally with a view to a sustainable development strategy,
- to apply the principles of occupational health and safety and environmental protection,
- to apply knowledge of analytical chemistry, biochemistry, microbiology, pharmaceutical chemistry, pharmacology and molecular biology,
- to assess and inspect material, biotechnology products, medicinal preparations and medicinal drugs,
- to apply knowledge of technologies that are using live organisms at the level of cells, plant tissues, animal tissues or cell components for the production or modification of products,
- to implement technological processes in biochemical and pharmaceutical plants,
- to carry out the collection and preparation of biological samples and basic analytical laboratory determinations,
- to cultivate, preserve, isolate microorganisms and perform basic microbiological and diagnostic analyses,
- to prepare individual dosage forms of medicinal preparations,
- to perform chemical analyses of pharmaceutical forms according to the pharmacopoeia,
- to apply knowledge of methods of preparing a medicine into a form suitable for therapeutic use,
- to use professional terminology and adhere to the principles of occupational health and safety specific in the laboratory and operating conditions of biochemical and pharmacological production.

4. Range of occupations accessible to the holder of the certificate ³

Graduates find work as laboratory technicians, supervisors, operations technicians, technical and economic workers in biochemical and pharmaceutical industry and related services, in research. Examples of possible job positions: laboratory technician – biochemist, machine operator in biochemical production, pharmaceutical laboratory technician in drug preparation technology, machine operator in pharmaceutical production.

¹ In the original language. | ² If applicable. This translation is not legally binding. | ³ If applicable.

The Certificate Supplement provides additional information to the certificate and as such it is not legally binding. Its format is based on the Decision No 2018/646 of the European Parliament and of the Council of 18th April on a common framework for the provision of better services in the field of skills and qualifications (Europass) and on repealing Decision No 2241/2004/EC.

For the purposes of a document issued in Slovakia, a certificate encompasses any document as specified in the Decree of the Ministry of Education of the Slovak Republic No. 326/2008 Coll. on the Types and Pertinent Details of Certificates and other Educational Forms, including Methods for their Recording and Archiving.

5. Official basis of the certificate

Body awarding the certificate

Authority providing accreditation / recognition of the certificate

Ministry of Education, Science, Research and Sport of the Slovak Republic
 Stromová 1
 813 30 Bratislava
 Phone: +421 2/59 374 111
www.minedu.sk

Level of the certificate (national or European) ¹

Full secondary vocational education

SKQF/EQF 4

ISCED 354

Grading scale / Pass requirements

1 – excellent

2 – praiseworthy

3 – good

4 – sufficient

5 – insufficient

Access to the next level of education / training ¹

Higher vocational education SKQF/EQF 5, ISCED 554
 University, 1st degree, SKQF/EQF 6, ISCED 655, 645, 665

University, 2nd degree – continuous programs
 SKQF/EQF 7, ISCED 766

International agreements on the recognition of qualifications ¹

Legal basis

Act No. 245/2008 Coll. on Education and Training (Education Act) and on amendment of certain acts; Act No. 61/2015 Coll. on Vocational Education and Training and on amendment of certain acts; Decree of the Ministry of Education of the Slovak Republic no. 318/2008 Coll. on the completion of studies at secondary schools, as amended.

6. Officially recognised ways of acquiring the certificate

Successful completion of the four-year training program in the given field of study by passing the final examination.

7. Additional information

This Europass Certificate Supplement is valid together with the school leaving certificate issued by the relevant secondary school (the name and address of the school is specified on the certificate). More details about the education and training system are available at www.minedu.sk/data/files/7421.jpg, more details as to the organisation of the educational system are available at www.minedu.sk, and the details of educational programs are available at www.siov.sk and at the website of the specified school.

Entry requirements ¹

–lower secondary education, ISCED 244

–fulfilment of prerequisites in the admission procedure

More information (including a description of the national qualifications system)

Ministry of Education, Science, Research and Sport of the Slovak Republic, Study and Training Group
<https://www.minedu.sk/18673-sk/studijne-a-ucebne-odbory-sauo/>

National Europass Centre

State Vocational Education Institute

Bellova 54/a,

837 63 Bratislava

europass@siov.sk

www.europass.sk



¹ If applicable