

Proposal For a Pilot Study Plan For The New Bachelor Study Program Biochemistry

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Abstract

Education today requires a flexible response to the needs of the labour market. Based on the requirements of scientific institutions, biomedical centres and various medical facilities in Eastern Slovakia, it is an important requirement of the labour market to prepare high-quality, scientifically and analytically minded graduates with a focus on bioapplications. Currently only the Comenius University in Bratislava provides the bachelor study program in Biochemistry. On the other hand, Institute of Chemistry, Pavol Jozef Šafarik University in Košice (UCHV, UPJŠ) provides university education only in the master's study program Biochemistry. However, based on communications with potential employer (Medirex, Slovak Academy of Science), it is required intensive preparation of students with a focus on combining biological and chemical knowledge. In addition, the need to create the bachelor study program in Biochemistry in Eastern Slovakia is supported by the existence of such a program in neighbouring country Czechia. Unfortunately, most young people from eastern Slovakia leave to study this study program at Czech universities (Charles University in Prague, Masaryk University in Brno and Palacký University in Olomouc). Therefore, the teachers at the Institute of Chemistry UPJŠ, together with employers, decided to create the new bachelor study program in Biochemistry. The contribution will present the pilot study plan of the new study program. In addition, a questionnaire and its results prepared by UCHV UPJŠ teachers for potential employers of future graduates of the new bachelor study program Biochemistry will be presented.

Keywords: labour market; questionnaire; education; teachers; employers; Biochemistry