

SECȚIA IV
**INOVAȚIE PRIN COOPERARE ȘI TRANSFER TEHNOLOGIC/
INNOVATION THROUGH COOPERATION AND TECHNOLOGY TRANSFER/
ИННОВАЦИИ ЧЕРЕЗ СОТРУДНИЧЕСТВО И ПЕРЕДАЧУ ТЕХНОЛОГИЙ**

**COOPERATION WITH ECONOMIC AGENTS IN THE IMPLEMENTATION OF THE
MASTER'S PROGRAM "SMART INDUSTRIES AND DIGITAL TRANSFORMATION"**

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Introduction and Background

The study program “Smart Industries and Digital Transformation” was opened through the implementation of the ERASMUS+ project NeedEDU4.0 and in collaboration with the company "DRAEXLMAIER AUTOMOTIVE" S.R.L, the RWTH University of Aachen, Germany, the Transylvania University of Brasov, Romania, Technical University of Moldova and B.P. Hasdeu Cahul State University, Moldova, for the training of engineer specialists in the field of industrial production. Thus, the development of the curriculum was carried out together with representatives of the company "DRAEXLMAIER AUTOMOTIVE" S.R.L, but also with the support of other enterprises from the Free Economic Zone (FEZ) Balti such as: "GG Cables&Wires EE" S.R.L, "Magnetec Components" S.R.L "Elektromanufacturing" S.R.L, "SAROB Production" S.R.L, S.A Moldagrotehnica etc. The curriculum was developed through the collaboration of the teaching staff from the Department of Physical and Engineering Sciences with managers from university institutions and enterprises, graduates of the faculty, senior students. Engineers, technologists, quality managers, as well as company directors (potential employers) were invited to the meetings to develop the plan in order to analyze the structure of the plan and the names of the course units. Meetings were organized with students and graduates of the specialty in order to identify aspects of improving the study program. In order to increase the quality of the program studies, the Department of the profile organizes consultations with partners (potential employers, teaching staff from other higher education institutions, personalities in the field, graduates, students). At the University, Faculty and Department levels, agreements are concluded with enterprises and institutions of the profile.

Results

The training of specialists in the general field of study Engineering and engineering activities is imposed by the development strategy of the Republic of Moldova, according to which the production industry has become a priority branch of the national economy, because it has very great advantages: the existence of world-renowned companies in the field on the labor market; the possibility of employing a large number of workers; a fast turnover cycle of current assets. All these companies operate according to the latest technologies and processes that constantly require development and innovation in order to be competitive on the world market. In this regard, this study program proposes to provide enterprises in the field with highly qualified specialists.

The master program is relevant because: the design took into account and continues to take into account the opinions of employers; it has a modern character and is oriented to the latest achievements in the fields of research-design-management activities, industrial technologies, industrial process organization, the use of computer-aided design, engineering and manufacturing, industrial information technologies, digital technologies. The study program is oriented towards modern achievements and good preparation of graduates in the fields of industrial perspective; there are a large number of companies with foreign capital that employ graduates of the program, which offer stable jobs.

Conclusions and Implications:

1. Master's program is developed in consortium with three universities and consulting, support and collaboration with EU Universities and economic agents.
2. The study program is attractive due to the possibility, after graduating, to get a stable and impressive jobs.

Keywords: *engineering, enterprise, industry, master, program, smart*

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