



## Industrial Economic Engineering



<b>FACULTY</b>	<i>Faculty of Machine Building</i>
<b>FIELD OF STUDY</b>	<i>Engineering and Management</i>
<b>LANGUAGE</b>	<i>English</i>
<b>DEGREE AWARDED</b>	<i>Bachelor of Science (BSc)</i>
<b>DURATION</b>	<i>8 semesters/4 years</i>
<b>CREDIT POINTS</b>	<i>240 ECTS</i>

### OBJECTIVES

The specialization Industrial Economic Engineering (English) is within the field of study of Engineering and Management at the Faculty of Machines Building, Technical University of Cluj-Napoca. The program is also framed within the University strategic plans with respect to:

- the integration in the European Area of Higher Education;
- adapting the educational offer to the dynamics of the market;
- the increase in the efficiency and competitiveness of the teaching process.

The program answers the need for development of the human capital and the increase of economic competitiveness of the Romanian organizations.

Through its content and spirit, the program creates a training environment which allows the students to assimilate fundamentals and

to acknowledge engineering and economic abilities, required in order to achieve individual objectives of professional development.

The mission of the economic engineering field education and the industrial economic engineering specialization is to train with the help of interdisciplinary studies (engineering, managerial, economic) specialists that will be able to design, organize and manage productive systems or their components as well as to generate relationships that connect these systems to the social-economic environment in which they evolve.

## GRADUATES

The competencies of this specialization graduates are:

Professional competencies:

- Design, evaluation and management of production systems
- Design and control the organizations' management system
- Use of the informational system in exercising the managerial roles
- Design, implementation and monitoring functional strategies
- Counseling in the business field

## MAIN TEACHING AREAS

The Industrial Economic Engineering graduates will have to mix creativity, reasoning, taking risks, teamwork. Besides the engineering knowledge, they will have business and leadership knowledge, good communication skills, ability to debate and to support his professional opinions, to stand up for the quality of life and of the environment.

Thus, the main teaching areas include:

- fundamental areas: Mathematics, Physics, Chemistry, Mechanics, Programming, Electrotechnics, Infographics and Technical design;
- economic and managerial areas: management, marketing, human resources, communication, managerial culture, finances, accounting, working and commercial law, project management, logistics, quality management;
- engineering areas: Manufacturing technologies, Electronics, Materials, Mechanisms, Machines and manufacturing equipments, Engineering of production systems.

## ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

Check the information posted on the International Relations Office:

[http://bri.utcluj.ro/RI2\\_en/admitere\\_eu\\_neu.php](http://bri.utcluj.ro/RI2_en/admitere_eu_neu.php)

<https://cm.utcluj.ro>

## INDUSTRIAL / ACADEMIC PARTNERS

Silcotub SA, BT Securities SA, Napomar SA, Sinterom SA, Emerson SRL, Eckerle Automotive SRL, Unio SA, Comelf SA, Patria Bank SA, Inserco, Michelin România SA, Tecsa Meccanissimi SRL, Meduman SA, Total Security SA, RAAL, Leoni Wiring Systems RO SRL, Compania de Apă Someș SA, Carbochim SA, NTT Data România SA, Jolidon Import Export SRL, Automobile Dacia SA, Nova Power & Gas SRL, S A I Broker SA, Diferit SRL, Prototip Construct SRL, Albaco Exim SRL, Star Transmission SRL, Bosch Rexroth SRL, Nova Grup SRL, I.A.M.U. SA, VCST Automotive Production Alba SRL, IPEC SA, T E A SRL, Supremia Grup SRL, Pema Electrotehnic SRL, H.P.T. Humbel Productionstechnik SRL, Alfasoftware SA, Transart SRL, Technosam SRL

## JOB OPENINGS

The graduates of Industrial Economic Engineering can have a well-paid job in high competency sectors, such as: engineer-economist, manager, human resources manager, marketing manager, supply chain manager, project manager, small and medium size enterprise manager, chief of different departments, engineer in the extractive industry, specialist in the quality field, production programmer, instructor of production systems, marketing referent, specialist in improvement processes, production engineer, process responsible, analyst, mechanical engineer, teacher for technical subjects, assistant director, research assistant.

## CONTACT

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