

Master study programme *Industrial Engineering (in English) *IndEng**

Industrial Engineering (in English) has been designed as the next natural step in the professional carrier for the graduates in Bachelor programme Industrial Engineering and other related fields.. Considering the increasing interest of foreign students based on the mobility European programme Erasmus, as well as for master studies, and, not lastly, in close agreement with employers expressed requirements, the master study programme **IndEng** proposes competencies development concerning the Industry 4.0, CAD/CAM and industrial management structured as collaborative networking. A clear advantage for students is arising through the opportunity to communicate and practice the professional language in English, as an essential background to integrate in a multicultural working environment.

Objectives

The main mission of the master study programme is targeted on training highly-qualified specialists meeting the updated needs at global business level in Industrial Engineering.

Several specific directions should be developed:

- ✓ Design and manufacture in 4.0 industrial revolution and the intelligent enterprise
- ✓ Experimental research in industrial engineering
- ✓ Design, implement and validate an industrial project of significant complexity
- ✓ E-business applied in industrial engineering
- ✓ Modeling, simulation and design of industrial optimal flows
- ✓ Conformity versus costs and management standards sound and effective implementation

Teamwork is privileged, the students being enrolled in numerous team projects of scientific research or complex products design.

Programme coordinators

Conf.dr.ing.ec. Mihaela-Elena ULMEANU

To whom it may be addressed

This specialization is addressed to **English speaking students** willing to work in Industrial Engineering international collaborative networks. An increasing number of **Erasmus Incoming students** from foreign universities are already enrolled in this study programme, ensuring the framework for sharing and cooperating in multicultural teams. Have a look at the courses offer! at the following link: <http://www.imst.pub.ro/index.php/ro/studenti/mobilitati/catalog-de-cursuri>.

Industrial Engineering is offered to graduates in different branches of Engineering, Industrial Engineering, and Mechanical Engineering and, not lastly, to those interested to design products and their manufacturing technologies in a global business context considering standards evolution, resources constraints and market pressure.

A real opportunity for **Erasmus mobility** in Europe should be considered, too, as a part of the study programme. The period is financed by Erasmus+ programme and recognized by the Faculty. You may select either a study or placement mobility or both cumulating up to 12 months abroad in European universities or companies.