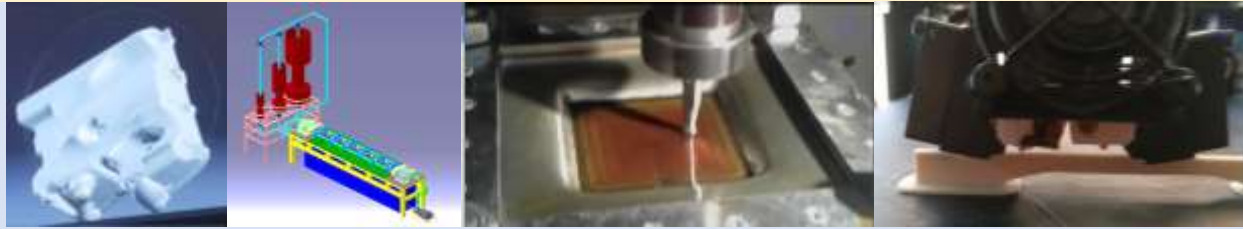




Intelligent Manufacturing and Automation (IMA)



√ Overview

Faculty Name: *Machine Manufacturing and Industrial Management*

Study domain: *Industrial Engineering*

Name of the university programme: *Intelligent Manufacturing and Automation*

Language of instruction: *English*

Type of studies: *Full time*

Standard length of studies: *2 years / 4 semesters*

Number of Credits: *30 credits / semester, 120 credits in total*

Academic calendar: *October 1st – June 30th*

Extended as needed to September 30th for resists.

√ Short Description

Master's studies in Intelligent Manufacturing and Automation (IMA) are intended for graduates having knowledge of manufacturing technologies and wishing to deepen their expertise in several professional directions. The Intelligent Manufacturing and Automation master graduate programme has an interdisciplinary curriculum built on engineering branches as technologies simulation, virtual control in manufacturing, technologies of composite materials, automation processes, sustainable product, artificial intelligence and resources planning.

√ Structure

First year - Mandatory courses: Manufacturing Simulation Software; Computer Aided Experimental Research; Technological Applications of Physics; Ethics and Academic Integrity; Control Systems and Virtual Instrumentation; Advanced of Computer Aided Technological Design; Advanced Welding Theory; Non Traditional Manufacturing Processes; Sustainable Product Development; Fluid Power Systems.

First year - Elective courses: Statistical Data Processing; Manufacturing Risk Management;

Second year - Mandatory courses: Advanced Manufacturing Automation Processes; Advanced Manufacturing Technologies of Composite Materials; Advanced Welding Technologies; Artificial Intelligence in Manufacturing;

Second year - Elective courses: Entrerprise Resourse Planning; Sustainable Development through Technological Innovation.

√ Admission Requirements

For detailed information regarding the admission procedure at TUIASI, both for the citizens from European Union / European Economic Area Member States or the Swiss Confederation and for the citizens from non-EU countries please access: <https://study.tuiasi.ro/admission/>

√ Contact Information

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