TECHNICAL UNIVERSITY
OF CLUJ-NAPOCA
ROMANIA

Automation and Applied Informatics

FACULTY	*Faculty of Automation and Computer Science*
FIELD OF STUDY	*Systems Engineering*
LANGUAGE	*English*
DEGREE AWARDED	*Bachelor of Science (BSc)*
DURATION	*8 semesters/4 years*
CREDIT POINTS	*240 ECTS*

OBJECTIVES

Everything about us means experience, an experience valued and harnessed by more than 30 graduate classes. The teaching staff, prepared to a high standard, successfully interweaves youthful enthusiasm and experience, the average age being around 39 years. The passion for discovery, experiment and study, the continuous desire to be a part of the technological development and growth, and the openness toward interpersonal communication are the strengths of our staff. Above all, the Automation or Applied Informatics fields represent a form of knowledge.

The terms describe those areas that luckily intertwine dedication and professionalism, and the joy of understanding the interaction complexity between system components, created by man or nature, at micro and macro scale pr /and between hardware and software.

www.utcluj.ro

GRADUATES

- Make use of fundamental knowledge in mathematics, physics, measurement techniques, technical design, engineering (mechanics, chemistry, electric and electronics) in the context of systems' engineering.
- Work with fundamental concepts in computer science and information technology.
- Make use of fundamental concepts in automatics, in modeling and simulating methods, in processes simulation, identification and analysis.
- Design, implement, test, use and maintain digital and analogic equipment developed for general or specific use, including computer networks in the context of automated driving and applied informatics applications.
- Develop applications and implement specific algorithms and automatized structures using microcontrollers based systems, signals processors etc.
- Apply fundamental concepts of legislation, economy, project management, marketing, business and quality assurance in different economics and management contexts.

MAIN TEACHING AREAS

- Computer Aided Process Control
- Application Oriented Programming Languages
- Computer Aided Design
- Process Modelling and Simulation
- Electronics basics and electronic circuit design
- Robot Control Systems and Computer Integrated Manufacturing
- Data Transmission

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

INDUSTRIAL / ACADEMIC PARTNERS

Emerson SRL, Siemens SRL, Continental Automotive Systems SRL, Hanna Instruments România SRL, National Instruments România SRL

CONTACT

Prof.Dr.Eng. Honoriu Vălean
Faculty of Automation and Computer Science
Automation Department

Phone: +40-264-401220
Email: Honoriu.Valean@aut.utcluj.ro
Office: 26-28, Gh. Baritiu St., Automation Department

https://ac.utcluj.ro/planuri-de-invatamant.en.html