

**Bachelor's degree program: Automation and Applied Informatics**  
**Domain: Systems Engineering**

**General information**

Duration: 4 years (8 semesters); 240 ECTS credits

Teaching language: Romanian

Professional title for the graduates: Bachelor Diploma and the title of Engineer

**Professional competences:**

- Apply knowledge in mathematics, physics, measurement, technical drawing, mechanical engineering, chemistry, electronics and power electronics in systems engineering.
- Operation with fundamental knowledge in computer science, information technology and communications.
- Using fundamental knowledge in automation, modeling, simulation, identification and process analysis, computer-aided design.
- Design, implementation, testing, use and maintenance of general purpose and dedicated equipments, including computer networks for automation and applied informatics.
- Development of applications and implementation of automatic control structures using project management principles, programming environments, microcontroller based environments, signal processing, programmable logic controllers, embedded systems.
- Apply knowledge in law, economics, marketing, business management and quality control in economic and managerial decisions.