

# AUTOMATION & CONTROL (2024)

120 credits

## Professional training

### Mandatory courses

- Actuators Control
- Control Systems Programming
- Modern Control Theory
- Technical Systems Modeling
- Microcontroller Systems
- Optimal Control
- Control Systems Programming
- Sensorless Control
- Modern Control Theory
- Digital Control Systems
- Adaptive and Robust Control

1, 2 semesters

42 credits

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## Fundamental training

- Applied Artificial Intelligence
- Foreign Language
- Creative Technologies
- Entrepreneurship
- Thinking
- Soft Skills

1, 2, 3, 4 semesters

18 credits

## Practical training

- Research Internship
- Tech Project Internship
- Senior Internship
- Preparation for Thesis Defense and Thesis Defense

3, 4 semesters

60 credits

## Optional courses (in English)

- Cyber Physical Systems and Technologies
- Mediation and Dispute Resolution
- Art & Math of Decision Making
- Stress Management
- Reputation Management
- Empathy and Non-Violent Communication
- Pitches and Speeches
- Evidence-Based Approach to Career Management
- Launching and Relaunching Your Career

1, 2, 3, 4 semesters