

Study programme Control of Machines and Processes

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Faculty	Faculty of Mechanical Engineering
Type of study	Follow-up Master
Language of instruction	English
Code of the programme	N0714A270012
Title of the programme	Control of Machines and Processes
Regular period of the study	2 years
Cost	50,000 CZK per semester
Coordinating department	Department of Control Systems and Instrumentation
Coordinator	doc. Ing. Jaromír Škuta, Ph.D.
Key words	

About study programme

As a graduate of the master's study program Machine and Process Control, you will gain the knowledge necessary for the design of technological process control and production lines. Knowledge of automatic control, applied mechanics, electronics, microprocessor technology and signal processing will allow you to optimize the design of control algorithms for the technological process.

Graduates are able to design instrumentation (sensors, actuators, drives, control systems, ...), use communication links (communication interface) to control technology and create software support for the technical means used. They are able to analyze the dynamic properties of systems, using methods of mathematical-physical modeling and simulation of dynamic systems. They control the computer support tools used in their design.

Professions

- Scientific researcher for process control
- Researcher
- Industrial data analyst
- Automation systems specialist
- Research and development
- Rapid prototyping technology engineer
- Academic staff member
- Research team worker
- Industrial engineer
- Instrument operator
- Research team leader
- Teacher and lecturer
- Quality control specialist

Study curriculum

- form Full-time (en)