VSB TECHNICAL UNIVERSITY OF OSTRAVA | FACULTY OF MECHANICAL ENGINEERING

Control of Machines and Processes

Generated: 23. 11. 2026

Faculty	Faculty of Mechanical Engineering
Type of study	Follow-up Master
Language of instruction	English
Code of the programme	N0714A270012
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.

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

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

Study curriculum

- form Full-time (en)