

Řízení strojů a procesů

Vygenerováno: 1. 3. 2026

Fakulta	Fakulta strojní
Typ studia	navazující magisterské
Jazyk výuky	angličtina
Kód programu	N0714A270012
Název programu	Řízení strojů a procesů
Standardní délka studia	2 roky
Garantující katedra	Katedra automatizační techniky a řízení
Garant	doc. Ing. Jaromír Škuta, Ph.D.
Oblasti vzdělávání (zaměření)	Strojírenství, technologie a materiály

O studijním programu

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.

Profese

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