

## Řízení strojů a procesů

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

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

### Studijní plány

- forma prezenční (en)