

Signal Processing

The aims of Signal Processing programme:

- to train the graduates for engineering activities in Robotics and Cybernetics, giving them deeper and newest knowledge and developing skills to use them;
- to develop the analytic skills to find problems in engineering systems and to define the task to solve the problems and to form other skills for advanced engineering.

Graduates of programme gain knowledge about methods of signal registration, processing and usage. They gain professional competence to create hardware and software of signal processing, to use the latest technologies, are capable of deepening their knowledge independently and apply it in new conditions, to formulate scientific issues and to solve them.

Degree awarded: Master's degree of Robotics and Cybernetics

Duration: 2 years full-time

Semester	Code	Course Title	Credits	No. of Academic Hours
M1	P160M148	Optimisation Methods and Algorithms	6	48
	T121M100	Image Processing	6	64
	T121M168	Biomedical Signal Processing	6	64
	T170M001	Methodology of Experiment	6	64
	T170M148	Measurement Methods of Electrical and Other Physical Quantities	6	64
M2	T110M170	Human – Computer Interaction	6	64
	T111M001	Computer Vision	6	64
	T121M151	Theory of Information Transfer	6	64
	T170M160	Signal Processing by Artificial Intelligence Methods	6	64
	T170M149	Research Work	6	64
M3	T120M001	Biomedical Cybernetics	6	64
	T170M101	Sensor Networks	6	64
	T170M102	Embedded Machine Vision Systems	6	64
	T170M149	Research Work	6	64
		Free-elective subject	6	64
M4	T170M157	Master's Thesis	30	