

**FACULTY OF
ELECTRICAL AND
ELECTRONICS
ENGINEERING**

- COURSES of the DEPARTMENT OF AUTOMATION
- COURSES of the DEPARTMENT OF ELECTRONICS ENGINEERING
- COURSES of the DEPARTMENT OF ELECTRIC POWER SYSTEMS
- COURSES of PROJECTS and PRACTICE

DEPARTMENT OF AUTOMATION

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T125B001	Automatic Control Fundamentals	6	spring
T125B477	Electromechanical Energy Conversion	3	spring
T190B302	Electric Drives	6	spring
PR00B153	Professional Practice	15	spring
T125B151	Modeling of Robotized Systems	6	spring
T125B150	Control Systems and Programing of Robots	6	spring
T125B116	Image Processing and Recognition	6	spring
T125B360	Programmable Logical Controllers	6	spring
Master's level courses			
T125M008	Industrial Communication Networks	6	spring
T125M262	Computer-aided Control of Technological Equipment	6	spring
T125M137	Hybrid Systems for Process Monitoring and Control	6	spring
T125M007	Methodology of Scientific Research Work	3	spring

DEPARTMENT OF ELECTRONICS ENGINEERING

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T170B301	Digital Devices	6	spring
T121B201	Signals and Systems 1	6	spring
T180B107	Optical Communication Networks	6	spring
T121B106	Discrete Time Signal Processing	6	spring
T110B002	Graphical Programming	6	spring
T170B153	Electronics and Microprocessors	3	spring
T170B204	Fundamentals of Electronics	6	spring
T190B014	Circuit Theory 1	6	spring
T170B303	Analogue Devices	6	spring
T170B159	Applied Electrodynamics	6	spring
PR00B162	Practice	15	spring
T170B158	Electronics Manufacturing Technologies	6	spring
T170B417	Embedded Systems	6	spring
Master's level courses			
T110M107	Embedded Systems Design	6	spring

T111M100	Biomedical Image Processing and Analysis	6	spring
T121M161	Digital Signal Processing in Embedded Wireless	6	spring
T180M123	Management and Security of Unmanned Aircraft Systems	6	spring
B110M002	Digital Processing of Biomedical Signals	6	spring
T170M501	Power Electronic Systems	6	spring
T121M001	Digital Signal Processors	6	spring
B140M001	Medical Imaging	6	spring

DEPARTMENT OF ELECTRIC POWER SYSTEMS

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
T500B002	Human Safety	3	autumn/spring
T190B270	Electrical and Electronic Circuits	6	spring
T190B202	Electromechanics	6	spring
PR00B169	Professional Practice	15	spring
Master's level courses			
T190M001	Energy Conversion Technologies of Renewable Energy Sources	6	spring
T140M165	Power System Planning	6	spring
T140M163	Reliability and Quality of Power Systems	6	spring
T140M164	Experimental Investigation of Electric Power Systems	6	spring
T500M109	Human-Computer Interaction	6	spring

PROJECT and PRACTICE

Course code	Course title	ECTS Credits	Semester
Bachelor's level courses			
PR00B143	Additional Practice	12	autumn/spring
PR00B203	Additional Practice	18	autumn/spring
PR00B144	Additional Practice	24	autumn/spring
PR00B140	Project	12	autumn/spring
PR00B141	Project	18	autumn/spring
PR00B113	Project	24	autumn/spring
Master's level courses			
PR00M100	Additional Practice	12	autumn/spring
PR00M116	Additional Practice	18	autumn/spring
PR00M114	Project	18	autumn/spring
PR00M115	Project	24	autumn/spring