ELECTRONIC ENGINEERING AND INTELLIGENT SYSTEMS

DEGREE TYPE UPON GRADUATION

Master's Degree

DURATION

2 years (4 semesters)

TEACHING LANGUAGE

Romanian

ECTS POINTS

120

PROGRAMME DESCRIPTION

The Master of *Electronic Engineering and Intelligent Systems* has the mission to develop higher skills for professional qualification and integration and to create perspectives for the personal development of the graduates in the context of the evolution of electronics and telecommunications marked by the transition of information society to the knowledge-based society, which requires the creation of intelligent systems, which can be harmoniously combined with the social and natural environment.

TUITION

EU citizens: 3900 RON (approx. € 780)

Non-EU citizens: € 2430

ENTRY REQUIREMENTS

Bachelor's Diploma

REASONS TO CHOOSE THIS PROGRAMME

- Attractive and popular on the labour market
- Provides professional development prospects
- Specificity of the study programme: novelty, innovation, research

CAREER OPPORTUNITIES

- Designer engineer of systems and computers (215214);
- Security Systems Engineer (215222);
- Research engineer in automation (215239);
- The Master's Program offers the perspective of personal development through the access to the next level of training – doctoral studies, becoming accessible jobs such as: Research assistant in applied electronics (215225); Researcher in Applied Electronics (215223), etc.

PROGRAMME DETAILS

I st YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	**ECTS**	**Type of assessment**	**Subjects**	**ECTS**	**Type of assessment**
Paradigms of Artificial Intelligence	6	E	Software Technologies in Artificial Intelligence	5	E
Advanced mechanisms processors	6	E	Electronics Circuits for Intelligent Systems	6	E
Research and development Project Management	4	C	DSP Design for BIO-signals	5	E
Ethics and academic integrity	5	C	Intelligent Sensor-fundamentals	5	E
Scientific Research and Practice (S1)	9	V	Scientific Research and Practice (S2)	9	V
English for engineers 1*	4	V	English for engineers 2*	4	V
French for engineers 1*	4	V	French for engineers 2*	4	V
Industrial property *	4	C			

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

II nd YEAR					
I st SEMESTER			II nd SEMESTER		
Subjects	**ECTS**	**Type of assessment**	**Subjects**	**ECTS**	**Type of assessment**
Real Time Application Design	5	E	Scientific Research and Practice (S4)	15	V
Information security	5	E	Practical activities for the elaboration of dissertation thesis	10	V
Intelligent Robotics	4	E	Drafting of the dissertation	5	V
Scientific Research and Practice (S3)	7	V	Defending and passing the dissertation exam *	10	E
Reconfigurable systems and evolutionary hardware (Optional/Eligible)	5	C			
Designing applications with PLCs (Optional/ Eligible)	5	C			
Sensors and intelligent sensory networks (Optional/ Eligible)	4	E			
Control and action structures for command of processes (Optional/ Eligible)	4	E			
Professional communication *	4	C	-		

* course credit points (ECTS) are not taken into account within the semester credit points (ECTS)

* V = test taken in the last two weeks of the semester (about 10% of the final grade)
* C = test taken in the last two weeks of the semester (about 30% of the final grade)
* E = exam taken during the exam period (at least 50% of the final grade)