Transilvania University of Braşov, Romania

Study program: Advanced Systems in Automation and Information Technologies

Curriculum for ERASMUS + students

Faculty:	Electrical Engineering and Computer Science
Study period:	2 years (master)
Academic year structure:	2 semesters (14 weeks per semester)
Examination sessions (two):	winter session (January/February)
	summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

No. crt.	Course	Code	Language of instruction	1st Semester					2nd Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	Data Science	SAATI0101	Romanian	2		2		5					
02	Soft-Computing in Control Engineering	SAATI0102	Romanian	2		1	1	5					
03	Embedded IT Systems	SAATI0103	Romanian	2		1	1	5					
04	Embedded Systems	SAATI0104	Romanian	2		2		5					
05	Ethics and Academic Integrity	SAATI0105	Romanian	1				2					
06	Research 1 (partially assisted research activities)	SAATI0106	Romanian	10				8					
07	Software Systems Architecture	SAATI0207	Romanian						2		2		5
08	Multi-agent Systems	SAATI0208	Romanian						2		2		5
09	Deep Learning	SAATI0209	Romanian						2		1	1	5
10	Project Management	SAATI0210	Romanian						2		1	1	5
	Computer Aided Design for Products Lifecycle Management	SAATI0211											
11	Research 2 (partially assisted research activities)	SAATI0212	Romanian								10		10

2nd Year

No. crt.	Course	Code	Language of instruction	3rd Semester					4th Semester				
				C	S	L	P	Cred	C	S	L	P	Cred
01	Natural Language Processing	SAATI0301	Romanian	2		2		5					
02	Industrial Control using Service Oriented Architectures	SAATI0302	Romanian	2		1	1	5					

03	Cyber Security	SAATI0303	Romanian	2		1	1	5					
04	Variable Structure Systems	SAATI0304	Romanian	2		1	1	5					
	Modelling and Identification of Distributed Parameters Processes	SAATI0305											
05	Research 3 (partially assisted research activities)	SAATI0306	Romanian	10			8						
06	Research 4 (partially assisted research activities)	SAATI0407	Romanian								12		10
07	Practical Training for Dissertation Project	SAATI0408	Romanian								12		10
08	Dissertation Project	SAATI0409	Romanian								2		10