

„Aurel Vlaicu“ University of Arad  
**Faculty of Engineering**  
 Department: **Automation, Industrial Engineering, Textile and Transportation**  
 Study area: **Systems Engineering**  
 Master Study Programme: **Automation and Intelligent Systems**  
 Form of education: **Full-time learning - 2 years**

**STUDY COURSES WITH RESPECT TO THE ACADEMIC YEARS**  
**valid throughout the academic year 2018-2019**

**1<sup>st</sup> YEAR**

Course code	Course	Course type	Indiv. study/ Sem (h)	Weekly learning hours and evaluation type												
				1 <sup>st</sup> Semester 14 weeks						2 <sup>nd</sup> Semester 14 weeks						
				C	S	L	Pr	Ev	K	C	S	L	Pr	Ev	K	
	<b>OFFICIALLY COMPULSORY</b>															
CmHA1001	Complements of systems theory	DA	108	2	1			E	6							
CmHT1002	Transportation Systems Engineering	DT	108	2		1		E	6							
CmHA1003	Advanced Systems for Electrical Drive Management	DA	108	2			1	E	6							
CmHA1004	Laser Engineering and applications	DA	122	1	1			C	6							
CmHA1005	Research Project in Microcontrollers	DA	72				2	C	4							
CmHA1009	Etică și integritate academică Ethics and Academic Integrity	DA	26	1				C	2							
CmHA2006	Assisted optimization of automatic systems	DA	83							2		1		E	5	
CmHT2007	Soft Computing	DT	83							2		1		E	5	
CmHU2008	Research project in intelligent circuits	DU	47										2	C	3	
CmHA2009	Practice	DA	10							3 weeks x 6 h / day = 90 hours			C	4		
<b>Total hours OFFICIALLY COMPULSORY</b>				<b>8</b>	<b>2</b>	<b>1</b>	<b>3</b>		<b>30</b>	<b>4</b>		<b>2</b>	<b>2</b>		<b>17</b>	
	<b>OPTIONAL COMPULSORY</b>			<b>C</b>	<b>S</b>	<b>L</b>	<b>Pr</b>	<b>Ev</b>	<b>K</b>	<b>C</b>	<b>S</b>	<b>L</b>	<b>Pr</b>	<b>Ev</b>	<b>K</b>	
	Pack 1 (a course of two will be chosen )	DT	133							2			1	C	7	
CmHT2A01	Intelligent systems															
CmHT2A02	Signal Processing															
	Pack 2 (a course of two will be chosen )	DA	108							2	1			E	6	
CmHA2A03	Industrial production management															
CmHA2A04	Management of Socio technical systems															
<b>Total hours OPTIONAL COMPULSORY / week</b>										<b>4</b>	<b>1</b>	<b>-</b>	<b>1</b>		<b>K13</b>	
<b>TOTAL 1<sup>st</sup> year OPTIONAL COMPULSORY</b>				<b>4C+1S+1L</b>						<b>1E+1C</b>						<b>K13</b>
<b>TOTAL COMPULSORY S1/S2</b>				<b>8</b>	<b>2</b>	<b>1</b>	<b>3</b>		<b>K30</b>	<b>8</b>	<b>1</b>	<b>2</b>	<b>3</b>		<b>K30</b>	
<b>TOTAL COMPULSORY</b>				<b>14</b>						<b>14</b>						<b>K60</b>
<b>TOTAL 1<sup>st</sup> year COMPULSORY</b>				<b>16C+ 3S+3L+6P</b>						<b>6E+4C</b>						<b>K60</b>

**RECTOR**

Prof. Univ. Dr. Ramona LILE

**DEAN**

Conf. Dr. Ing. Dan Ovidiu GLĂVAN

**HEAD OF DEPARTMENT**

Prof. Dr. Ing. Gheorghe SIMA

