

TECHNICAL UNIVERSITY "GHEORGHE ASACHI" OF IAȘI
FACULTY OF ELECTRONICS, TELECOMMUNICATIONS AND INFORMATION TECHNOLOGY

Profile: Electronic Engineering and Telecommunications

Specialization: Automotive Electronic Control Systems

Language: English

Academic degree: M.Sc.

Duration of study: 2 years

Degree Program: full time

Approved

In Senat meeting from

Senat President,

Prof. univ. dr. ing. Doru-Adrian Pănescu

CURRICULUM

1st Year 2018 - 2019

	No.	Name of the discipline	Disc. Code ETTI_	Condi- tionali- ties	1st Semester					2nd Semester								
					No. hrs. / week / discipline					Fin Eval	K	No. hrs. / week / discipline					Fin Eval	K
					C	S	L	P	I			C	S	L	P	I		
MD	501	Vehicle Electronic Systems	EDID501 AECS		2	-	-	-	116	E	6							
	502	Embedded Signaling, Communication and Networking	EDIS502 AECS		2	-	1	-	102	E	6							
	503	Embedded System Engineering and Testing	EDIF503 AECS		2	-	1	-	102	E	6							
	504	Electronics for Automotive Systems	EDIS504 AECS		-	-	3	-	102	E	6							
	505	Vehicle Control Systems	EDID505 AECS									2	-	-	-	68	E	4
	506	Embedded System Design and Modeling	EDIS506 AECS									1	-	1	1	78	E	5
	507	Programming Embedded Systems 2	EDIS507									1	-	1	1	78	E	5
	508	Hardware Development of Automotive Electronic Systems	EDID508 AECS									1	-	1	1	102	E	6
	509	Automotive Power Electronics	EDID509 AECS									2	-	1	-	102	E	6
IA	510	Practice	EDIS510 AECS									3 s x 30 h/s =90 h					A/R	4
ED	511	Programming Embedded Systems	EDIS511 AECS		1	-	1	1	102	E	6							
	512	Programming DSP for Embedded and Real Time Systems	EDIS512 AECS															
FD	513	Social Competence & Interpersonal Skills in organizational environment *	EDLC513 AECS		2	-	-	1	102	C	6							
	514	Project Management for Automotive Systems *	EDLS514 AECS									2	-	-	1	102	C	6
Total hours per week, total assessments per semester and total credits per semester for mandatory discipline (MD) and elective discipline (ED)					7	0	6	1	524			7	0	4	3	428	5E 1 A/R	30
					14		524			5E	30	14		428				

MD – mandatory discipline; ED –elective discipline; FD –facultative discipline ; IA – independent activities;

C – complementary; D- from the domain, F – fundamental, S – specialization; V- verification; K- credits;

E- Exam; C- colloquium; A/R – accept/reject, I - individual work

Discipline Code: ETTI+E+3 letters+3 digits+Specialisation Code (AECS - Automotive Electronic Control Systems) (E-English)

* = credits and verifications not included in the total

HEAD OF DEPARTMENT,
Conf. dr. ing. Irinel Valentin Pletea

DEAN,
Prof.univ.dr.ing. Daniela Tărniceriu

RECTOR,
Prof.univ.dr.ing. Dan Cașcaval

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CURRICULUM

2nd Year 2019 - 2020

	No.	Name of the discipline	Disc. Code ETTI_	Condi- tionali- ties	1st Semester						2nd Semester							
					No. hrs. / week / discipline					Fin Eval	K	No. hrs. / week / discipline					Fin Eval	K
					C	S	L	P	I			C	S	L	P	I		
MD	601	Cybersecurity for Automotive Systems	EDIS601 AECS		2	-	-	-	116	E	6							
	602	Automotive Connected Mobility	EDID602 AECS		2	-	1	-	102	E	6							
	603	Signal Processing for Vehicular Technologies	EDIF603 AECS		1	-	1	1	102	E	6							
	604	Machine Learning	EDIS604 AECS		2	-	1	-	102	E	6							
	605	Reconfigurable Automotive Systems	EDIS605AE CS									1	-	1	-	92	E	5
	606	Automotive Electromagnetic Compatibility	EDIS606AE CS									1	-	1	-	92	E	5
	607	Functional Safety Reliability of Embedded Systems	EDIF607 AECS									1	1	-	-	92	E	5
	608	Dissertation work	EDIS608 AECS												8	248	A/R	15
ED	609	High Level Embedded Programming for Automotive Systems	EDIS609 AECS		1	-	1	1	102	E	6							
	610	Advanced Java Programming	EDIS610 AECS															
FD																		
Total hours per week, total assessments per semester and total credits per semester for mandatory discipline (MD) and elective discipline (ED)					8	0	4	2	524			3	1	2	8	524	3E 1A/R	30
					14		524		5E	30	14		524					

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