

ATATURK ALATOO UNIVERSITY
ELECTRONICS AND MICROELECTRONICS DEPARTMENT
A Five-Year Undergraduate Program

Fall Term			EE-2			Spring Term		
#	Subject	Credit						
1	Hystory (from firs year)	3+1	4					
2	Physical Culture		2					
3	Chemistry		4					
4	Physics I (General)	4+2	6					
5	Mathematics (Calculus)	2+2	4					
6	Mathematics (Linear Algebra)		2					
7	Mathematics (Numeric Analysys)		2					
8	Ecology (from firs year)		2					
9	Kyrgyz/Russian Language		2					
10	Informatics (algor and progr)		2					
11	Techn. English						4	
12	Turkish							2

TOTAL	30+6
--------------	-------------

1	Philosophy		4					
2	Physical Culture		2					
3	Electrotechnic (elect circuits)	2+2	4					
4	Psychology and Pedagogique	2+2	4					
5	Mathematics (Calculus)	2+2	4					
6	Differential Equations		2					
7	Physics II (General)	2+2	4					
8	Physics (Fluids Mechanic)	2+2	4					
9	Physics (Mechanic-static-dynamic)		2					
10	Kyrgyz/Russian Language		2					
11	Informatics (algor and progr)		2					
12	Techn. English						4	
13	Turkish							2

TOTAL	32+6
--------------	-------------

Fall Term			EE-3			Spring Term		
#	Subject	Credit						
1	Engineering Computer Graphics	2+2	4					
2	Electronic Circuits	2+2	4					
3	Electr. Machinery		4					
4	Solid Electronics	4+2	6					
5	Programing Language	2+2	4					
6	Electrotechnic (elect circuits)	2+2	4					
7	Economics		4					
8	English						2	
9	Turkish							2

TOTAL	30+4
--------------	-------------

1	Materials and Elements of Electronics	2+2	4					
2	Electronic Circuits	2+2	4					
3	Microprocessors	2+2	4					
4	Automation Theory(system theory)		6					
5	Microelectronics (digital Electr.)	4+2	6					
6	Programing Language		4					
7	Vacuum and Plazma Electron.		4					
8	English						2	
9	Turkish							2

TOTAL	32+4
--------------	-------------

Fall Term			EE-4			Spring Term		
#	Subject	Credit						
1	Control Systems		4					
2	CAD for Electronis		4					
3	Industrial Electronics		2					
4	Magnetic comp. for Electronic Equ		4					
5	Database Management Syst.		2					
6	Robotics	2+2	4					
7	Materials and Elements of Electron	2+2	4					
8	Microprocessors		2					
9	Quantum Solid-Stade Theory		2					
10								

TOTAL	30
--------------	-----------

1	Control Systems		4					
2	CAD for Electronis		4					
3	Industrial Electronics	4+1	5					
4	Magnetic comp. for Electronic Equip		2					
5	Database Management Syst.		2					
6	Robotics	2+2	4					
7	Power Electronics	4+1	5					
8	Data Conv. Tech. & Signal Proc.	4+2	6					

TOTAL	30
--------------	-----------

Fall Term			EE-5			Spring Term		
#	Subject	Credit						
1	Metrology Standardiz.and Certificac		3					
2	Life Safety		3					
3	Project Management		3					
4	CAD for Electronics	2+2	4					
5	Control Systems	2+2	4					
6	Manas Tanuu		2					

TOTAL	21
--------------	-----------

1	Diploma Projects		20					
2	Quantum and Opt. Electr		4					

TOTAL	24
--------------	-----------

Dean

Head of Department