

FİZİK PROGRAMI (20141 dönemi 1. sınıfa başlayanlar)**FIRST YEAR**

FIRST SEMESTER		Credits		
PHYS 107	Physics Laboratory I	2	→	PHYS 105
PHYS 109	Mechanics	5	→	PHYS 105
CHEM 101	General Chemistry I	5	→	CHEM 107
MATH 117	Calculus I	5	→	MATH 119
ENG 101	English for Academic Purposes I	4	→	ENG 101

SECOND SEMESTER		Credits		
PHYS 108	Physics Laboratory II	2	→	PHYS 106
PHYS 110	Electromagnetism	5	→	PHYS 106
CHEM 102	General Chemistry II	5		
MATH 118	Calculus II	5	→	MATH 120
ENG 102	English for Academic Purposes II	4	→	ENG 102
IS 100	Intr. to Inf. Technologies and Applications	NC	→	IS 100

SECOND YEAR

THIRD SEMESTER		Credits		
PHYS 200	Basics of Scientific Computing	3		
PHYS 203	Introductory Electronics	4	→	EE 201 & EE 213
PHYS 209	Math. Methods in Phys. I	4	→	MATH 219
PHYS 221	Optics and Waves	4		
MATH 260	Linear Algebra	3	→	MATH 260
HIST 2201	Principles of Kemal Atatürk I	NC	→	HIST 2201

FOURTH SEMESTER		Credits		
PHYS 202	Modern Physics	4	→	PHYS 207
PHYS 210	Math. Methods in Phys. II	4		
PHYS 222	Optics and Waves Lab.	3		
ENG 211	Academic Oral Presentation Skills	3	→	ENG 211
HIST 2202	Principles of Kemal Atatürk II	NC	→	HIST 2202
ELECTIVE	Free Elective	3		

THIRD YEAR

FIFTH SEMESTER		Credits		
PHYS 307	Applied Modern Physics Lab.	3		
PHYS 331	Electromagnetic Theory I	4	→	EE 224
PHYS 335	Classical Mechanics I	4		
TURK 303	Turkish I	NC	→	TURK 303
ELECTIVE	Nondepartmental Elective	3		

SIXTH SEMESTER		Credits		
PHYS 300	Quantum Physics	4		
PHYS 332	Electromagnetic Theory II	4	→	EE 303
PHYS 336	Classical Mechanics II	4		
ENG 311	Advanced Communication Skills	3		
TURK 304	Turkish II	NC	→	TURK 304
ELECTIVE	Restricted Elective	3	→	

FOURTH YEAR

SEVENTH SEMESTER		Credits		
PHYS 400	Special Problems in Physics	3		
PHYS 430	Statistical Thermodynamics	4		
PHYS 431	Quantum Mechanics I	4		
ELECTIVE	Restricted Elective	3	→	
ELECTIVE	Technical Elective	3		

EIGHTH SEMESTER		Credits		
ELECTIVE	Nondepartmental Elective	3		
ELECTIVE	Restricted Elective	3		
ELECTIVE	Restricted Elective	3		
ELECTIVE	Free Elective	3		
ELECTIVE	Technical Elective	3		

TOPLAM ELECTIVE SAYISI	10
RESTRICTED ELECTIVE (2 core)	4
FREE ELECTIVE	2
NONDEPARTMENTAL ELECTIVE	2
TECHNICAL ELECTIVE*	2

*TECHNICAL ELECTIVE : fizik, kimya, biyoloji, matematik, istatistik bölümleri ve mühendislik fakültesi bölümlerinden alınan dersler

CENG 230 restricted or nondepartmental or free
PHYS 305 restricted elective -(EE 311 & EE 313)
PHYS 306 restricted elective -(EE 312 & EE 314)
PHYS 440 restricted elective - EE 212