

YENİ

DOUBLE MAJOR PROGRAM BETWEEN PHYS AND EE								
PHYS			EE-PHYS			EE		
First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS
PHYS 101	4	6	MATH 101	4	6	MATH 101	4	6
MATH 101	4	6	CHEM 105	4	6	CHEM 105	4	6
CHEM 105	4	6	EC 101	3	6	EC 101	3	6
PHYS 197	3	6	HUM 101	4	6	HUM 101	4	6
AE111/AE112**	3	3/6	MATH 201	4	5	MATH 201	4	5
TOTAL	18	29/32	TOTAL	19	29	TOTAL	19	29
Second semester			Second semester			Second semester		
PHYS 102	4	6	MATH 102	4	6	MATH 102	4	6
MATH 102	4	6	PHYS 121	4	6	PHYS 121	4	6
Science Elective	3	7	EC 102	3	6	EC 102	3	6
PHYS 198	3	6	CMPE 150	3	5	CMPE 150	3	5
HSS	3	5	EE 101	3	6	EE 101	3	6
TOTAL	17	32	TOTAL	17	31	TOTAL	17	31
Third semester			Third semester			Third semester		
PHYS 201	4	6	MATH 202	4	7	MATH 202	4	7
PHYS 221	3	5	PHYS 201	4	6	PHYS 201	4	6
MATH 201	4	5	EE 201	4	7	EE 201	4	7
EC101/+	3	6	EE 271	3	6	EE 271	3	6
HSS	3	5	EE 243	2	3	EE 243	2	3
TK 221	2	3	TK 221	2	3	TK 221	2	3
			Phys 221	3	5			
TOTAL	19	30	TOTAL	22	37	TOTAL	19	32
Fourth Semester			Fourth Semester			Fourth Semester		
PHYS 202	4	6	EE 214	3	6	EE 214	3	6
EE 210	3	6	PHYS 202	4	6	PHYS 202	4	6
MATH 202	4	7	EE 232	3	6	EE 232	3	6
EC102	3	6	EE 272	3	6	EE 272	3	6
HSS	3	5	EE 244	3	4	EE 244	3	4
TK 222	2	3	TK 222	2	3	TK 222	2	3
			Phys 302	3	3			
TOTAL	19	33	TOTAL	21	34	TOTAL	18	31
Fifth Semester			Fifth Semester			Fifth Semester		
PHYS 301	3	6	EE 333	3	6	EE 333	3	6
PHYS 311	3	7	EE 335	1	2	EE 335	1	2
PHYS 331	3	5	EE 351	3	6	EE 351	3	6
HTR 311	2	3	EE 371	3	6	EE 333	3	6
PHYS 325	3	5	HTR 311	2	3	EE 371	3	6
Unrestricted Elect.	3	4	PHYS 311	3	7	HTR 311	2	3
			PHYS 325	3	5			
TOTAL	17	30	TOTAL	18	35	TOTAL	15	29
Sixth Semester			Sixth Semester			Sixth Semester		
PHYS 302	3	3	EE 304	3	6	EE 304	3	6
PHYS 312	3	5	EE Specified Electiv	3	6	EE Specified Electiv	3	6
PHYS 328	3	6	EE Specified Electiv	3	6	EE Specified Electiv	3	6
HTR 312	2	3	Computational Elec	3	6	Computational Elec	3	6
PHYS 442	4	7	HTR 312	2	3	HSS	3	5
Unrestricted Elect.	3	6	PHYS 312	3	5	HTR 312	2	3
			PHYS Elective	3	6			
TOTAL	18	30	TOTAL	20	38	TOTAL	17	32
Seventh Semester			Seventh Semester			Seventh Semester		
PHYS 401	3	4	EE Elective	3	6	EE Elective	3	6
PHYS 411	3	6	EE Specified Electiv	3	6	EE Specified Electiv	3	6
PHYS 421	3	6	EE Specified Electiv	3	6	EE Specified Electiv	3	6
PHYS 443	4	8	HSS	3	5	CC	3	6
Unrestricted Elect.	3	6	PHYS 401	3	4	CC	3	6
			PHYS 411	3	6			
TOTAL	16	30	TOTAL	18	33	TOTAL	15	30
Eighth Semester			Eighth Semester			Eighth Semester		
PHYS 402	3	6	EE 492	4	8	EE 492	4	8
PHYS 412	3	6	EE Specified Electiv	3	6	EE Specified Electiv	3	6
PHYS Elective	3	6	EE Specified Electiv	3	6	EE Specified Electiv	3	6
Unrestricted Elect.	3	6	PHYS 402	3	6	CC/HSS	3	5
Unrestricted Elect.	3	6	PHYS 412	3	6	CC/HSS	3	5
TOTAL	15	30	TOTAL	16	32	TOTAL	16	30
OVERALL TOTAL	139	244/247	151	269	136	244		
OVERLOAD			15					

EE Double Major Students can take PHYS 391 – PHYS 392 – PHYS 482 series instead of PHYS 325 – PHYS 312 – PHYS Elective

EE Specified Elective: This specified elective must be chosen according to the following: (a) two courses from the required courses of the student's selected track, (b) two courses from the pool courses of the student's selected track, (c) two courses from among the required courses of the tracks that the student has not selected EE Computational Elective: This specified elective must be an intermediate level computational engineering course and it can be one of the following: CmpE 160 Introduction to Object Oriented Programming, CmpE 210 Fundamentals of Object Oriented Programming, EE 201 Intermediate Programming, EE 342 Numerical Methods for EE or an equivalent course approved by the student's advisor.

* Students who pass the preparatory year with an English proficiency level of C are required to take AE111 or AE112.

** Students whose Proficiency Exam scores are B and above are required to take EC 101.

* Students who have taken AE 111/112 first semester are required to take EC 101. The rest should take an Unrest. Elective.

Bu belge, güvenli elektronik imza ile imzalanmıştır.

OLD COURSES	NEW COURSES
PHYS 221 Thermal properties of matter	PHYS 221 Thermal properties of matter
PHYS 302 Classical Mechanics II	PHYS 302 Classical Mechanics II
PHYS 311 Modern Physics I	PHYS 311 Modern Physics I
PHYS 401 Electromagnetism I	PHYS 401 Electromagnetism I
PHYS 402 Electromagnetism II	PHYS 402 Electromagnetism II
PHYS elective	PHYS 411 Quantum Mechanics I
PHYS elective	PHYS412 Quantum Mechanics II
PHYS elective	PHYS or PHYS 462(EE) Solid State Physics (EE) elective
	PHYS 312 or PHYS 391 (EE) Modern Physics II or Physical Electronics I (EE)
	PHYS325 or PHYS 392(EE) Mathematical Methods of Physics I or Physical Electronics II (EE)