

## DOUBLE MAJOR PROGRAMS BETWEEN PHYS AND PHIL DEPARTMENTS

PHYS (Basic Phys Opt)			PHYS ("Other" Options)			PHYS-PHIL (Basic Phys Opt)			PHYS-PHIL ("Other" Options)			PHIL-PHYS PROGRAM			PHIL PROGRAM		
First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS
PHYS 101	4	8	PHYS 101	4	8	PHYS 101	4	8	PHYS 101	4	8	PHIL 101	3	7	PHIL 101	3	7
CHEM 105	4	6	CHEM 105	4	6	CHEM 105	4	6	CHEM 105	4	6	PHIL 131	3	10	PHIL 131	3	10
MATH 101	4	6	MATH 101	4	6	MATH 101	4	6	MATH 101	4	6	SS elective	3	5	SS elective	3	5
S. English Elect.	3	8	S. English Elect.	3	8	S. English Elect.	3	8	S. English Elect.	3	8	Math elective	3	6	MATH elective	3	6
												AE 261/LL	3	5	AE 261/LL	3	5
	15	28		15	28		15	28		15	28		15	33		15	33
Second semester			Second semester			Second semester			Second semester			Second semester			Second semester		
PHYS 102	4	8	PHYS 102	4	8	PHYS 102	4	8	PHYS 102	4	8	PHIL 106	3	7	PHIL 106	3	7
S. Science elective	4	6	S. Science elective	4	6	S. Science elective	4	6	S. Science elective	4	6	PHIL 132	3	6	PHIL 132	3	6
MATH 102	4	6	MATH 102	4	6	MATH 102	4	6	MATH 102	4	6	PHIL 105	3	6	PHIL 105	3	6
S. English Elect.	3	8	S. English Elect.	3	8	S. English Elect.	3	8	S. English Elect.	3	8	SS elective	3	5	SS elective	3	5
												AE 262/LL	3	5	AE 262/LL	3	5
	15	28		15	28		15	28		15	28		15	29		15	29
Third semester			Third semester			Third semester			Third semester			Third semester			Third semester		
PHYS 201	4	6	PHYS 201	4	6	PHYS 201	4	6	PHYS 201	4	6	PHIL 213	3	6	PHIL 213	3	6
PHYS 221	3	5	PHYS 221	3	5	PHYS 221	3	5	PHYS 221	3	5	PHIL 273	3	6	PHIL 273	3	6
MATH 201	4	5	MATH 201	4	5	MATH 201	4	5	MATH 201	4	5	PHYS 101 (Not 1)	4	8	SCI elective	3	6
EC 101	3	5	EC 101	3	5	EC 101	3	5	EC 101	3	5	MATH 201	4	5	Unrestricted elective	3	5
HSS Elect.	3	6	HSS Elect.	3	6	HSS Elect.	3	6	HSS Elect.	3	6	MATH 101	4	6	Unrestricted elective	3	5
TK 221	2	3	TK 221	2	3	TK 221	2	3	TK 221	2	3	TK 221	2	3	TK 221	2	3
												PHIL 101	3	7			
												PHIL 131	3	10			
	19	30		19	30		25	47		25	47		20	34		17	31
Fourth Semester			Fourth Semester			Fourth Semester			Fourth Semester			Fourth Semester			Fourth Semester		
PHYS 202	4	6	PHYS 202	4	6	PHYS 202	4	6	PHYS 202	4	6	PHIL 214	3	6	PHIL 214	3	6
MATH 202	4	7	MATH 202	4	7	MATH 202	4	7	MATH 202	4	7	PHIL 222	3	6	PHIL 222	3	6
EE 210	3	6	EE 210	3	6	EE 210	3	6	EE 210	3	6	PHYS 102 (Not 1,2)	4	8	SCI elective	3	6
EC 102	3	4	EC 102	3	4	EC 102	3	4	EC 102	3	4	PHYS 201	4	6	Unrestricted elective	3	5
HSS Elect.	3	6	HSS Elect.	3	6	HSS Elect.	3	6	HSS Elect.	3	6	MATH 102	4	6	Unrestricted elective	3	5
TK 222	2	3	TK 222	2	3	TK 222	2	3	TK 222	2	3	TK 222	2	3	TK 222	2	3
												PHIL 106	3	7			
												PHIL 132	3	6			
	19	32		19	32		25	45		25	45		20	35		17	31
Fifth Semester			Fifth Semester			Fifth Semester			Fifth Semester			Fifth Semester			Fifth Semester		
PHYS 301	3	6	PHYS 301	3	6	PHYS 301	3	6	PHYS 301	3	6	PHIL 313	3	6	PHIL 313	3	6
PHYS 311	3	7	PHYS 331	3	5	PHYS 311	3	7	PHYS 331	3	5	PHIL 341	3	6	PHIL 341	3	6
PHYS 325	3	5	Option Elective	3	6	PHYS 325	3	5	Option Elective	3	6	PHIL --	3	6	PHIL elective	3	6
PHYS 331	3	5	Distribution Elective	3	6	PHYS 331	3	5	Distribution Elective	3	6	PHYS 202 (Not 2)	4	6	Unrestricted elective	3	5
Unrestricted elective	3	6	Unrestricted elective	3	6	PHIL 213	3	6	PHIL 213	3	6	MATH 202	3	7	Unrestricted elective	3	5
HTR 311	2	3	HTR 311	2	3	HTR 311	2	3	HTR 311	2	3	HTR 311	2	3	HTR 311	2	3
												PHYS 221	3	5			
	17	32		17	32		20	38		20	38		21	39		17	31
Sixth Semester			Sixth Semester			Sixth Semester			Sixth Semester			Sixth Semester			Sixth Semester		
PHYS 302	3	3	PHYS 302	3	3	PHYS 302	3	3	PHYS 302	3	3	PHIL 314	3	6	PHIL 314	3	6
PHYS 312	3	5	PHYS 380	3	5	PHYS 312	3	5	PHYS 380	3	5	PHIL 382	3	7	PHIL 382	3	7
PHYS 326	3	6	Option Elective	3	6	PHYS 326	3	6	Option Elective	3	6	PHIL --	3	6	PHIL elective	3	6
PHYS 442	4	7	Distribution Elective	3	6	PHYS 442	4	7	Distribution Elective	3	6	PHYS 302	3	3	Unrestricted elective	3	5
Unrestricted elective	3	6	Unrestricted elective	3	6	PHIL 105	3	6	PHIL 105	3	6	PHYS 380 (Not 3)	3	5	Unrestricted elective	3	5
HTR 312	2	3	HTR 312	2	3	HTR 312	2	3	HTR 312	2	3	HTR 312	2	3	HTR 312	2	3
												PHIL 222	3	6			
	18	30		17	29		21	36		20	35		17	30		17	32
Seventh Semester			Seventh Semester			Seventh Semester			Seventh Semester			Seventh Semester			Seventh Semester		
PHYS 401	3	4	PHYS 407	3	7	PHYS 401	3	4	PHYS 407	3	7	PHIL --	3	6	PHIL elective	3	6
PHYS 411	3	6	PHYS 325	3	5	PHYS 411	3	6	PHYS 325	3	5	PHIL --	3	6	PHIL elective	3	6
PHYS 421	3	6	Option Elective	3	6	PHYS 421	3	6	Option Elective	3	6	PHIL --	3	6	PHIL elective	3	6
PHYS 443	4	8	Distribution Elective	3	6	PHYS 443	4	8	Distribution Elective	3	6	PHYS 311 (Not 4)	3	7	Unrestricted elective	3	6
Unrestricted elective	3	7	Unrestricted elective	3	6	PHIL 313	3	6	PHIL 313	3	6	PHYS -- (Not 5)	3	4	Unrestricted elective	3	6
												PHYS -- (Not 5)	3	4			
												PHYS -- (Not 5)	3	4			
												Unrestricted elective	3	6			
	16	31		15	30		22	42		21	42		21	39		15	30
Eighth Semester			Eighth Semester			Eighth Semester			Eighth Semester			Eighth Semester			Eighth Semester		
PHYS 402	3	6	PHYS 408	3	6	PHYS 402	3	6	PHYS 408	3	6	PHIL --	3	6	PHIL --	3	6
PHYS 412	3	6	PHYS 442	4	7	PHYS 412	3	6	PHYS 442	4	7	PHIL --	3	6	PHIL --	3	6
PHYS --	3	3	Option Elective	3	6	PHYS --	3	3	Option Elective	3	6	PHIL --	3	6	PHIL --	3	6
Unrestricted elective	3	7	Distribution Elective	3	6	PHIL 214	3	6	Distribution Elective	3	6	PHYS -- (Not 5)	3	4	Unrestricted elective	3	6
Unrestricted elective	3	7	Unrestricted elective	3	6	PHIL 314	3	6	PHIL 214	3	6	PHYS -- (Not 5)	3	4	Unrestricted elective	3	6
												PHIL 314	3	6			
												PHIL 382	3	7			
	15	29		16	31		18	34		22	44		18	32		15	30
	<b>134</b>	<b>240</b>		<b>133</b>	<b>240</b>		<b>161</b>	<b>298</b>		<b>163</b>	<b>307</b>		<b>147</b>	<b>271</b>		<b>128</b>	<b>247</b>
<b>OVERLOAD</b>																	
							<b>27</b>			<b>30</b>			<b>19</b>				

**NOTLAR:**

- 1) Phys 101 ve Phys 102 yerine sadece Phys 121 alınabilir. (Temel fizik dersleri serisi: Phys 121, Phys 201 ,Phys 202)
- 2) Phys 102 ve Phys 202 yerine sadece Phys 130 alınabilir. (Temel fizik dersleri serisi: Phys 101, Phys 130 ,Phys 201)
- 3) Phys 380 yerine "Phys 401 ve Phys 402" veya Phys 511 alınabilir.
- 4) Phys 311 yerine Phys 407 alınabilir.
- 5) Felsefe öğrencilerinin alacağı 4 seçmeli fizik dersinin kodu 3XX, 4XX veya 5XX olmalıdır ve Fizik Bölümü ÇAP danışmanının onayı ile seçilmelidir.