

DOUBLE MAJOR PROGRAMS BETWEEN EE AND MATH DEPARTMENTS												NEW
EE PROGRAM			EE-MATH PROGRAM			MATH-EE Program			MATH Program			
First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	First Semester	Cr.	ECTS	
CHEM 105	4	6	CHEM 105	4	6	AE 111/HSS/MLE *	3	3	AE 111/HSS/MLE *	3	3	
EC 101	3	6	EC 101	3	6	MATH 111	4	8	MATH 111	4	8	
HUM 101	4	6	HUM 101	4	6	MATH 131	4	8	MATH 131	4	8	
MATH 101	4	6	MATH 101	4	6	PHYS 101 **	4	8	PHYS 101 **	4	8	
MATH 201	4	5	MATH 201	4	5	Unrest. Elect.	3	5	Unrest. Elect.	3	5	
	19	29		19	29		18	32		18	32	
Second semester			Second semester			Second semester			Second semester			
CMPE 150	3	5	CMPE 150	3	5	AE 112/HSS/MLE *	3	4	AE 112/HSS/MLE *	3	4	
EC 102	3	6	EC 102	3	6	MATH 132	4	8	MATH 132	4	8	
EE 101	3	6	EE 101	3	6	MATH 162	4	8	MATH 162	4	8	
MATH 102	4	6	MATH 102	4	6	PHYS 102 **	4	8	PHYS 102 **	4	8	
PHYS 121	4	8	PHYS 121	4	8	Unrest. Elect.	3	5	Unrest. Elect.	3	5	
	17	31		17	31		18	33		18	33	
Third semester			Third semester			Third semester			Third semester			
EE 201	4	7	EE 201	4	7	CMPE 150	3	5	CMPE 150	3	5	
EE 243	2	3	EE 243	2	3	EE 201	4	7	MATH 221	4	8	
EE 271	3	6	EE 271	3	6	EE 243	2	3	MATH 231	4	8	
MATH 202	4	7	MATH 111	4	8	EE 271	3	6	PHYS 201 **	4	6	
PHYS 201	4	6	MATH 202	4	7	MATH 221	4	8	TK 221	2	3	
TK 221	2	3	MATH 231	4	8	MATH 231	4	8				
	19	32	PHYS 201	4	6	PHYS 201 **	4	6				
				25	45		24	43	TOTAL	17	30	
Fourth Semester			Fourth Semester			Fourth Semester			Fourth Semester			
EE 214	3	6	EE 214 #	3	6	EE 214 #	3	6	HSS/MLE *	3	5	
EE 232	3	6	EE 232	3	6	EE 232	3	6	MATH 202	4	7	
EE 244	3	4	EE 244	3	4	EE 244	3	4	MATH 222	4	8	
EE 272	3	6	EE 272	3	6	EE 272	3	6	MATH 234	4	8	
PHYS 202	4	6	MATH 222	4	8	MATH 202	4	7	TK 222	2	3	
TK 222	2	3	PHYS 202	4	6	MATH 222	4	8				
	18	31		20	36	PHYS 202 *****	4	6				
							24	43		17	31	
Fifth Semester			Fifth Semester			Fifth Semester			Fifth Semester			
EE 333	3	6	EE 333	3	6	CHEM 105 ***	4	6	HSS	3	5	
EE 335	1	2	EE 335	1	2	EC 101 ***	3	6	HTR 311	2	3	
EE 351	3	6	EE 351	3	6	EE 333	3	6	MATH 323	4	8	
EE 363	3	6	EE 363	3	6	EE 335	1	2	MATH 331	4	8	
EE 371	3	6	EE 371	3	6	EE 351	3	6	Unrest. Elective	3	5	
HTR 311	2	3	MATH 323	4	8	EE 363	3	6				
			MATH 331	4	8	EE 371	3	6				
			TK 221	2	3	HSS ****	3	5				
	15	29		23	45	TK 221	2	3				
							25	46		16	29	
Sixth Semester			Sixth Semester			Sixth Semester			Sixth Semester			
EE 304	3	6	EE 304	3	6	EC 102 ***	3	6	HSS	3	5	
EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	EE 304	3	6	HTR 312	2	3	
EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	EE Specified Elective 2 ##	3	6	MATH 338	4	8	
EE Specified Elective 2	3	6	EE Specified Elective 2 ##	3	6	EE Specified Elective 1	3	6	MATH Elective	3	6	
HSS	3	5	MATH 234	4	8	EE Specified Elective 1	3	6	MATH Elective	3	6	
HTR 312	2	3	MATH 338	4	8	MATH 234	4	8	Science Elect.	3	5	
			TK 222	2	3	MATH 338	4	8				
	17	32		22	43	TK 222	2	3				
							25	49		18	33	
Seventh Semester			Seventh Semester			Seventh Semester			Seventh Semester			
CC	3	6	EE Elective	3	6	EE Elective	3	6	MATH Elective	3	6	
CC	3	6	EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	MATH Elective	3	6	
EE Elective	3	6	EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	Science Elect.	3	5	
EE Specified Elective 1	3	6	HTR 311	2	3	HTR 311	2	3	Unrest Elective	3	5	
EE Specified Elective 1	3	6	MATH Elective	3	6	MATH 323	4	8	Unrest. Elective	3	5	
			MATH Elective	3	6	MATH 331	4	8				
			MATH Elective	3	6	MATH Elective	3	6				
	15	30		20	39	MATH Elective	3	6				
							25	49		15	27	
Eighth Semester			Eighth Semester			Eighth Semester			Eighth Semester			
CC/HSS	3	5	EE 492 ###	4	8	EE 492 ###	4	8	HSS	3	5	
CC/HSS	3	5	EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	MATH Elective	3	6	
EE 492	4	8	EE Specified Elective 1	3	6	EE Specified Elective 1	3	6	MATH Elective	3	6	
EE Specified Elective 1	3	6	HSS	3	5	HSS ****	3	5	MATH Elective	3	6	
EE Specified Elective 1	3	6	HTR 312	2	3	HTR 312	2	3	Unrest. Elective	3	5	
			MATH Elective	3	6	MATH Elective	3	6				
			MATH Elective ###	3	6	MATH Elective	3	6				
	16	30		21	40	MATH Elective ###	3	6				
							24	46		15	28	
TOTAL	136	244		158/167	290/308		158/183	295/341	TOTAL	134	243	
OVERLOAD				22/31			24/49					

Indicates the credits that can be eliminated due to the conditions explained below.

- # MATH-EE and EE-MATH students who take MATH 344 as MATH elective are exempt from this course.
- ## MATH-EE and EE-MATH students who take MATH 336 as MATH elective are exempt from this course.
- ### MATH-EE and EE-MATH students who take both EE491 and EE492 under the supervision of two advisors, one from EE and one from MATH department, are exempt from one Math Elective.
- *Math students who pass English proficiency exam with score C are required to take AE 111 and AE 112. Students whose Proficiency Exam scores are B or above are required to take HSS or MLE (Modern Language Elective). MLE courses should be selected from among any of the language courses of the same sequence (being offered at Bogazici University).
- **Physics courses are one of the 3 series: PHYS 101, PHYS 130, PHYS 201; or PHYS 101, PHYS 102, PHYS 201, PHYS 202; or PHYS 121, PHYS 201, PHYS 202.
- *** MATH-EE students will be exempt from this course if they have taken it during their first year unrestricted elective slots.
- **** MATH-EE students will be exempt from this course if they have taken it during their first year AE/HSS/MLE slots. Courses taken as HSS must be present in the HSS lists of both departments.
- ***** MATH-EE students who follow PHYS 101, PHYS 130, PHYS 201, or PHYS 101, PHYS 102, PHYS 201, PHYS 202 must take this course. If they follow PHYS 121, PHYS 201, PHYS 202 series then they are exempt from the corresponding credits.
- ***** In addition to the coursework, MATH-EE students are required to complete 60 days of summer training according to the rules of EE Department.