

**DEPARTMENT OF INDUSTRIAL ENGINEERING – DEPARTMENT OF ECONOMICS  
DOUBLE MAJOR PROGRAM**

1st GROUP COURSES (FULL COURSE EQUIVALENCY BETWEEN DEPARTMENTS)					
CATEGORY	CREDIT	ECTS	ALL PROGRAMS	Notes	
CC.R	3	5	CMPE 101		
CC.R	3	5	ENG 101		
CC.R	3	5	ENG 102		
U.C	2	2	HIST 101		
U.C	2	2	HIST 102		
U.C	2	2	TUR 101		
U.C	2	2	TUR 102		
R	3	6	MATH 230		
R	3	6	MATH 232		
U.C	0	1	TEDU 400		
S.F	3	5	ED 1		
S.F	3	5	ED 2		
S.F	3	5	ED 3		
S.F	3	5	ED 4		
S.F	3	5	ED 5		
F.E	3	5	SS 1		
F.E	3	5	SS 2		
F.E	3	5	SS 3		
CC.E	3	5	CC(A)		
CC.E	3	5	CC(H)		
CC.E	3	5	CC(L)		
CC.E	3	5	CC(NS)		
CC.E	3	5	CC(SS)		

2nd GROUP COURSES Program Required (R) and Elective (E) Courses							Notes
CATEGORY	CREDIT	ECTS	ECON	CREDIT	ECTS	IE	
CC.R	4	7	MATH 111	4	7	MATH 101	For both departments, a course under "R" or "E" category other than summer practice courses, can be counted under "Free Elective" category in the other department. 3
CC.E	4	7	MATH 112	4	7	MATH 102	
CC.E	4	6	ECON 101	3	6	CMPE 112	
F.C	4	6	ECON 102	4	6	PHYS 105	
R	3	6	ECON 211	3	5	MATH 203	
R	3	6	ECON 212	3	5	ECON 110	
R	3	6	ECON 221	3	6	ME 221	
R	3	6	ECON 222	3	5	CMPE 232	
R	3	5	ENG 204	3	6	IE 232	
R	1	2	ECON 300	3	6	IE 212	
R	4	6	ECON 331	3	6	IE 222	
R	4	6	ECON 332	3	6	IE 311	
R	1	2	ECON 400	3	6	IE 331	
R	3	7	ECON 401	3	7	IE 341	
R	3	7	ECON 402	3	6	IE 312	
				3	7	IE 316	
				3	6	IE 332	
				3	6	IE 491	
				3	6	IE 492	
				1	2	IE 399	
				1	2	IE 499	
E	3	6	ECON 3XX/4XX	3	5	IE 4XX	
E	3	6	ECON 3XX/4XX	3	5	IE 4XX	
E	3	6	ECON 3XX/4XX	3	5	IE 4XX	
E	3	6	ECON 3XX/4XX	3	5	SS 4	
E	3	6	ECON 3XX/4XX				
E	3	6	ECON 3XX/4XX				
E	3	6	ECON 3XX/4XX				
E	3	6	ECON 3XX/4XX				
E	3	6	ECON 3XX/4XX				

EQUIVALENCY BETWEEN 2nd GROUP COURSES FOR IE and ECON DEPARTMENTS*					
CATEGORY	CREDIT	ECTS	ECON	IE	Notes
R	4	7	MATH 111	MATH 101	
R	4	7	MATH 112	MATH 102	
R	4/3	6/5	ECON101	ECON110	1,3
R	4/3	6	ECON102	IE 222	1,3
R/E	4/3	6/5	ECON 332	IE 444	4
E/R	3	6	ECON 303	IE 331	4
E	3	6/5	ECON 432	IE 444	5
E	3	6/5	ECON 481	IE 482	
R	1	2	ECON 300	IE 399	2
R	1	2	ECON 400	IE 499	
<b>Number of courses required for graduation:</b>			<b>47</b>	<b>48</b>	
<b>Minimum credits required for graduation (Cr):</b>			<b>136</b>	<b>136</b>	
<b>Minimum total ECTS required for graduation</b>			<b>240</b>	<b>240</b>	

\* Course equivalencies given in this table are only valid for double major students. The equivalency applications for the courses that do not exist in the table are evaluated by Faculty Executive Boards and endorsed if seen appropriate by both.

#### Notlar:

- 1) ECON and IE double major students can have (ECON101+ECON102) and (ECON110+IE222) course couples credited correspondingly.
- 2) ECON and IE double major students, must have either a summer practice for both major programs and a common summer practice for both, in total 3 summer practices or two summer practices for each major, in total 4 summer practices.
- 3) ECON101-ECON102 have 4 credits each and ECON110 - IE 222 have 3 credits each. Double major students must compensate for missing credits by taking extra course(s) due to the credits differences of equivalent courses.
- 4) ECON-IE double major students, whose major field is ECON can take ECON 332 to have it credited for IE 444 and those students whose major field is IE can take IE 331 to have it credited for ECON 303. IE 444 cannot be credited for ECON 332 course. ECON 303 course cannot be credited for IE 331 course.
- 5) IE 444 course can be credited for ECON 432 course. ECON 432 course cannot be credited for IE 444 course.