

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	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 101/150	
U.C	2	2	TUR 102/160	
U.C	3	5	LIBE 110	
U.C	3	5	LIBE 120	
U.C	3	5	LIBE 130	
U.C	3	5	LIBE 140	
U.C	3	5	LIBE 150	
U.C	0	1	TEDU 101	
U.C	1	1	TEDU 102	
F.E	3	5	SS 1	

2nd GROUP COURSES Program Required (R) Courses							
CATEGORY	CREDIT	ECTS	ECON	CREDIT	ECTS	IE	NOTES
CC.R	4	7	MATH 115	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.
CC.E	4	7	MATH 116	4	7	MATH 102	
R	3	6	ECON 101	3	5	ECON 110	
R	3	6	ECON 102	3	5	CMPE 113	
R	3	5	PSIR 110	3	6	CMPE 114	
R	3	5	TEDU 109	4	6	PHYS 101	
R	3	6	BA 110	3	5	CHEM 100	
R	3	6	ECON 209	3	6	MATH 230	
R	3	6	ECON 211	3	5	MATH 203	
R	3	6	ECON 212	3	8	ME 221	
R	3	6	ECON 221	3	5	CMPE 232	
R	3	6	ECON 222	3	6	IE 232	
R	3	5	ENG 204	3	6	IE 212	
R	1	2	ECON 300	3	6	IE 222	
R	4	6	ECON 331	3	6	IE 311	
R	3	6	ECON 341	3	6	IE 331	
R	3	6	ECON 351	3	6	IE 341	
R	3	6	ECON 303	3	5	IE 371	
R	4	6	ECON 332	3	6	IE 312	
R	3	6	ECON 342	3	7	IE 316	
R	3	6	ECON 451	3	6	IE 332	
R	1	3	ECON 400	3	8	IE 491	
R	3	7	ECON 401	3	8	IE 492	
R	3	7	ECON 402	1	3	IE 399	
R	3	6	FEAS 450	1	5	IE 499	
R				3	5	ENGR 490	
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	MATH/Sci Elective	
E	3	6	ECON 3XX/4XX	3	5	MATH/Sci Elective	
E	3	5	FREE ELECTIVE	3	5	MATH/Sci Elective	
E	3	5	FREE ELECTIVE				

EQUIVALENCY BETWEEN 2nd GROUP COURSES FOR IE and ECON DEPARTMENTS*					
CATEGORY	CREDIT	ECTS	ECON	IE	NOTES
R	4	7	MATH 115	MATH 101	
R	4	7	MATH 116	MATH 102	
R	3	6	ECON 210	MATH 232	
R	3	6/5	ECON101	ECON110	1,3
R	3	6	ECON102	IE 222	1
R/E	4/3	6/5	ECON 332	IE 444	5
E/R	3	6	ECON 303	IE 331	5
E	3	6/5	ECON 432	IE 444	6
E	3	6/5	ECON 481	IE 482	
R	1	2/3	ECON 300	IE 399	2,4
R	1	3/5	ECON 400	IE 499	
Number of courses required for graduation:			47	47	
Minimum credits required for graduation (Cr):			132	131	
Minimum total ECTS required for graduation			240	240	

* 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.

Notes:

- 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 has 6 ECTS and ECON110 has 5 ECTS. Double major students must compensate for missing credits by taking extra course(s) due to the ECTS differences of equivalent courses.
- 4) ECON300 has 2 ECTS and IE399 has 3 ECTS; ECON400 has 3ECTS and IE499 has 5 ECTS. Double major students must compensate for missing credits by taking extra course(s) due to the ECTS differences of equivalent courses.
- 5) 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.
- 6) IE 444 course can be credited for ECON 432 course. ECON 432 course cannot be credited for IE 444 course.