

**1st GROUP COURSES
FULL COURSE EQUIVALENCY BETWEEN DEPARTMENTS**

CATEGORY	CREDIT	ECTS	ALL PROGRAMS	EE	ME	IE	CE	CMPE	Notes						
CC.R	3	5	CMPE 101												
F.C.	3	6	CMPE 112												
CC.R	3	5	ENG 101												
CC.R	3	5	ENG 102												
U.C	2	2	HIST 101												
U.C	2	2	HIST 102												
CC.R	4	7	MATH 101												
CC.E	4	7	MATH 102												
CC.R	4	6	PHYS 105												
U.C	2	2	TUR 101												
U.C	2	2	TUR 102												
F.C.	3	5	MATH 203												
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												
F.E	3	5										SS 4			1
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)												
R	3	5				ECON 110	ECON 110		2						

Notes:

- 1) Courses with 3 or more credits (except for the 1st group courses) from other departments can be considered as the fourth free elective course for those students who wish to attend double major programs in IE Department.
- 2) ECON 110 is a program required course for IE Department and CC.E (SS) required course for CE and ME departments. For those students who have taken ECON 110 at the IE Department, this course will be considered as CC.E (SS) in transfer procedures to the CE or ME Departments. In the case that these students had taken an additional CC.E (SS) course, the formerly taken CC.E (SS) courses will be counted as "Free Elective" in CE and ME Department curricula.

2nd GROUP COURSES

a) Program Required Courses (R)

CATEGORY	CREDIT	ECTS	EE	CREDIT	ECTS	ME	CREDIT	ECTS	IE	CREDIT	ECTS	CE	CREDIT	ECTS	CMPE	Notes
R	3	5	MATH 204	3	4	EE 309	3	6	MATH 230	3	6	MATH 240	3	6	EE 207	Any course taken in "R" or "E" category at any department can be considered as "Free Elective" for other departments.
R	3	6	EE 201	2	4	ME 200	3	6	ME 221	2	4	MATH 210	3	6	MATH 240	
R	3	6	EE 202	3	6	MATH 240	3	5	CMPE 232	2	4	CE 200	3	6	CMPE 201	
R	1	2	EE 203	2	4	MATH 210	3	6	MATH 232	3	5	CE 211	3	6	CMPE 211	
R	1	2	EE 204	3	6	ME 211	3	6	IE 232	3	5	CE 212	3	5	CMPE 232	
R	1	4	EE 205	3	6	ME 224	3	6	IE 212	4	6	CE 214	3	6	CMPE 242	
R	3	6	EE 222	3	6	ME 241	3	6	IE 222	4	6	CE 221	3	6	CMPE 252	
R	3	5	EE 252	3	6	ME 242	3	6	IE 311	3	5	CE 232	3	6	CMPE 313	
R	3	5	EE 304	3	6	ME 264	3	6	IE 331	3	6	CE 311	3	6	CMPE 343	
R	3	5	EE 311	3	5	ME 301	3	7	IE 341	3	6	CE 312	3	5	CMPE 361	
R	3	5	EE 312	3	5	ME 345	3	6	IE 312	3	6	CE 314	3	6	CMPE 322	
R	3	5	EE 332	3	5	ME 353	3	7	IE 316	4	6	CE 331	3	5	CMPE 382	
R	3	5	EE 341	3	5	ME 302	3	6	IE 332	3	6	CE 332	3	5	CMPE 326	
R	3	6	EE 351	3	5	ME 324	3	6	IE 491	4	6	CE 341	3	6	CMPE 451	
R	1	2	EE 353	3	5	ME 362	3	6	IE 492	3	6	CE 342	3	6	CMPE 472	
R	1	2	EE 399	3	5	ME 336	1	2	IE 399	3	10	CE 410	3	7	CMPE 491	
R	3	7	EE 491	1	2	ME 399	1	2	IE 499	3	5	CE 451	3	8	CMPE 492	
R	3	10	EE 492	3	6	ME 464				1	2	CE 399	1	2	CMPE 399	
R	1	2	EE 499	4	12	ME 492				1	2	CE 499	1	2	CMPE 499	
				1	2	ME 499										

b) Elective Courses of the Department (E)

E	3	5	EE 3XX	3	5	ME 4XX(I)	3	5	IE 4XX	3	6	CE 4XX(I)	3	5	CMPE 3XX-4XX		
E	3	5	EE 3XX	3	5	ME 4XX(II)	3	5	IE 4XX	3	6	CE 4XX(II)	3	5	CMPE 3XX-4XX		
E	3	5	EE 4XX	3	5	ME 4XX(III)	3	5	IE 4XX	3	6	CE 4XX(III)	3	5	CMPE 3XX-4XX		
E	3	5	EE 4XX														
E	3	5	EE 4XX														
E	3	5	EE 4XX														
E	3	5	EE 4XX														

EQUIVALENCY BETWEEN 2nd GROUP COURSES FOR ENGINEERING FACULTY DEPARTMENTS*

CATEGORY	CREDIT	ECTS	EE	ME	IE	CE	CMPE	NOTES
R	3	6	-	MATH 240/ MATH 230	MATH 230/ MATH 240	MATH 240/ MATH 230	MATH 240/ MATH 230	
R	1/ 2	4	EE 205/ MATH 210	MATH 210	-	MATH 210	-	1
R	1/ 2	4	EE 205/ CMPE252	-	-	-	CMPE 252	2
R	3	6	-	ME 224/ ME 221	ME 221/ ME 224	-	-	
R	(3, 3)/ (3, 4)	(6, 5)/ (5, 6)	-	(ME241+ME345)/ (CE211+CE214)	-	-	-	3
R	3	5	-	-	CMPE 232	-	CMPE 232	
R	2	4	-	ME 200/ CE 200	-	CE 200/ ME 200	-	
R	3	6/ 5	-	ME 242/ CE 212	-	CE 222/ ME 242	-	4
R	3	5	EE 332/ ME 336	ME 336/ EE 332	-	-	-	5
R	3	5	-	ME 353/ CE 232	-	CE 232/ ME 353	-	
R	3	6	EE 222/ EE 207	-	-	-	EE 207/ EE 222	
R	3	6/ 4	EE 201/ EE 309	EE 309/ EE201	-	-	-	6
E	3	5/ 6	-	-	IE 4XX/ CMPE 343	-	-	7
E	3	5	-	-	-	-	CMPE 3XX-4XX/ IE 471	8
E	3	5/ 6	EE 4XX/ CMPE 451	-	-	-	-	9
E	3	5/ 6	-	-	-	-	CMPE 3XX-4XX/ (EE352 or EE411)	10
R	1	2	EE 399	ME 399	IE 399	CE 399	CMPE 399	11
R	1	2	EE 499	ME 499	IE 499	CE 499	CMPE 499	
Number of courses required for graduation:			51	49	48	48	48	
Minimum credits required for graduation (Cr):			137	138	136	138	136	
Minimum total ECTS required for graduation			240	240	240	240	240	

* Course equivalencies given in this table are only valid for double major students.

Notes:

- 1) EE 205 and MATH 210 courses are defined as equivalents. Because TEDU credit of MATH 210 is higher than of EE 205, Electrical and Electronics Engineering students who wish to attend double major programs of Civil Engineering or Mechanical Engineering are obliged to take MATH 210, but are exempt from EE 205.
- 2) Computer Engineering students who wish to attend double major program at Electrical and Electronics Engineering Department are exempt from EE 205. Because TEDU credit of CMPE 252 is higher than of EE 205, Electrical and Electronics Engineering students who wish to attend double major program of Computer Engineering Department are obliged to take CMPE 252, but are exempt from EE 205.

- 3) (CE 211+CE 214) and (ME 241 + ME 345) course pairs are defined as equivalents. Civil Engineering students who wish to attend double major program of Mechanical Engineering Department are exempt from (ME 241 + ME 345) course pair. Because TEDU credit of (CE 211 + CE 214) course pair is higher than of (ME 241 + ME 345) course pair, Mechanical Engineering students who wish to attend double major program of Civil Engineering Department are obliged to take (CE 211 + CE 214) course pair, but are exempt from (ME 241 + ME 345) course pair.
- 4) CE 212 and ME 242 courses are defined as equivalents. Because ECTS credit of ME 242 is higher than of CE 212, Civil Engineering students who wish to attend double major program of Mechanical Engineering Department are obliged to take ME 242, but are exempt from CE 212.
- 5) Mechanical Engineering students who wish to attend double major program of Electrical and Electronics Engineering Department are required to meet the prerequisite of EE 332 in order to have ME 336 counted instead of EE 332. This operation requires the approval of the Engineering Faculty Executive Board upon the application of the student after having met the above mentioned prerequisite.
- 6) EE 201 and EE 309 courses are defined as equivalents. Because ECTS credit of EE 201 is higher than of EE 309, students who wish to attend double major program of Electrical and Electronics Engineering Department are obliged to take EE 201, but are exempt from EE 309.
- 7) Computer Engineering students who wish to attend double major program of Industrial Engineering Department are exempt from one of IE 4XX program elective courses.
- 8) Industrial Engineering students who wish to attend double major program of Computer Engineering Department are exempt from one of CMPE 3XX - 4XX program elective courses.
- 9) Computer Engineering students who wish to attend double major program of Electrical and Electronics Engineering Department are exempt from one of EE 4XX program elective courses.
- 10) Electrical and Electronics Engineering students who wish to attend double major program of Computer Engineering Department are exempt from one of CMPE 3XX - 4XX program elective courses.
- 11) Double major students are required to complete three summer practices, one being in each major department, plus a common summer practice for both majors OR four summer practice courses, being two major summer practices for each major department.