

**ENGINEERING FACULTY / INSTITUTE  
CHEMICAL ENGINEERING DEPARTMENT  
2016-2017 CURRICULUM**

FIRST YEAR					
1. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC101	Introduction to Chemical Engineering	2	0	2	2.0
CEAC103	General Chemistry I	3	2	4	5.0
MFGE108	Computer Aided Solid Modelling	1	3	2	4.0
MATH157	Extended Calculus I	4	2	5	7.5
PHYS101	General Physics I	3	2	4	6.0
HIST111	Principles of Atatürk and History of Turkish Revolution I	2	0	2	2.0
ENG101	English For Academic Purposes I	4	0	4	3.5
					<b>30</b>
2. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC104	General Chemistry II	3	2	4	4.0
CMPE102	Computer Programming	2	2	3	4.0
ENG102	English for Academic Purposes II	4	0	4	3.5
MATH158	Extended Calculus II	4	2	5	7.5
PHYS102	General Physics II	3	2	4	6.0
HIST221	History of Civilization	3	0	3	3.0
HIST112	Principles of Atatürk and History of Turkish Revolution II	2	0	2	2.0
					<b>30</b>
SECOND YEAR					
3. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC201	Analytical Chemistry	3	2	4	7.0
CEAC203	Physical Chemistry	4	2	5	7.0
CEAC207	Chemical Process Calculations	3	2	4	7.0
ENG201	English for Academic Purposes III	3	0	3	3.0
MATH275	Linear Algebra	4	0	4	6.0
					<b>30</b>
4. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC202	Organic Chemistry	3	2	4	6.0
CEAC210	Inorganic Chemistry	3	1	3	5.0
CEAC212	Biochemistry	3	0	3	5.0
ENE204	Thermodynamics II	3	0	3	5.0
ENG202	English for Academic Purposes IV	3	0	3	3.0
MATH276	Differential Equations	4	0	4	6.0
					<b>30</b>

THIRD YEAR					
5. Semester					
Code	Name of the Course	T	A	C	ECTS
MATH380	Numerical Methods for Engineers	3	1	3	5.0
ENE302	Heat and Mass Transfer	3	1	3	6.0
AE307	Fluid Mechanics	3	1	3	6.0
AE	Area Elective	3	0	3	5.0
AE	Area Elective	3	0	3	5.0
ENG301	English for Occupational Purposes I	3	0	3	3.0
CEAC399	Summer Practice I			NC	6.0
					30
6. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC302	Separation Processes	4	2	5	7.0
CEAC304	Chemical Reaction Engineering	4	2	5	7.0
GE	General Elective	3	0	3	4.0
GE	General Elective	3	0	3	4.0
AE	Area Elective (A)	3	1	3	5.0
ENG302	English for Occupational Purposes II	3	0	3	3.0
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FOURTH YEAR					
7. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC401	Chemical Engineering Laboratory I	0	4	2	7.0
CEAC405	Chemical Engineering Design I	3	2	4	6.0
CEAC407	Process Modeling, Dynamics and Control	3	1	3	6.0
AE	Area Elective (A)	3	0	3	5.0
GE	General Elective	3	0	3	4.0
TURK401	Turkish Language I	2	0	2	2.0
CHE499	Summer Practice II			NC	6.0
					30
8. Semester					
Code	Name of the Course	T	A	C	ECTS
CEAC402	Chemical Engineering Laboratory II	0	4	2	9.0
CEAC406	Chemical Engineering Design II	1	4	3	9.0
AE	Area Elective (A)	3	0	3	5.0
AE	Area Elective (A)	3	0	3	5.0
TURK 402	Turkish Language II	2	0	2	2.0
					30



