

Please visit the [Undergraduate Program](#) link in the main page for course details.

1st Semester (Fall)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
MAT 101	Mathematisc I	5	4	2	TB	C	8
FIZ 101E	Physics I*	4	3	2	TB	C	7
KIM 101	General Chemistry I	4	3	2	TB	C	6
BIL 101E	Int.to Comp.&Inf. Sys.*	2	1	2	TM	C	3
PET 111E	Int.to Pet.& Natural Gas Eng.*	1	1	0	MT	C	3
ING 101	English Course	3	3	0	ITB	C	3
	Total	19	15	8			30

2nd Semester (Spring)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
MAT 102	Mathematics II	5	4	2	TB	C	8
FIZ 102E	Physics II*	4	3	2	TB	C	7
KIM 102	General Chemistry II	4	3	2	TB	C	6
BIL 102E	Int.to Sci.&Eng.Comp.*	3	2	2	TM	C	5
PET 112	Physical Education	1	0	2	ITB	C	1
ENG 102	English Course	3	3	0	ITB	C	3
	Total	20	15	10			30

3rd Semester (Fall)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
MAT 201	Differential Equations	4	4	0	TB	C	6
KIM 201	Physical Chemistry	4	3	2	TB	C	6
MEK 205	Engineering Mechanics	3	3	0	TM	C	5
JEO 112E	General Geology*	3	3	0	TM	C	6
TUR 101	Turkish I	2	2	0	ITB	C	2
EKO 201	Economics	3	3	0	ITB	C	4
	Total	19	18	2			29

4th Semester (Spring)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
MAT 202	Numerical Methods	3	3	0	TB	C	6
STA 204	Statics / Strength of Materials	3	3	0	TM	C	5
AKM 204	Fluid Mechanics	3	3	0	TM	C	5
PET 212E	Rock Properties*	3	3	0	MT	C	6
ING 201	English III	3	3	0	ITB	C	3
TUR 102	Turkish II	2	2	0	ITB	C	2
	Elective Course (TB)	3	3	0	TB	E	4
	Total	20	20				31

5th Semester (Fall)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
MAT 271	Probability and Statistics	3	3	0	TB	C	4
TER 201	Thermodynamics	3	3	0	TM	C	5
PET 311E	Fluid Properties*	3	3	0	MT	C	6
PET 321	Petroleum & Natural Gas Eng. Lab	1	0	2	MT	C	2
PET 331	Drilling Engineering I	3	3	0	MT	C	6
PET 341E	Petroleum&Natural Gas Geology*	3	3	0	MT	C	5
ATA 101	Turkish Revolution History I	2	2	0	ITB	C	2
	Total	18	17	2			30

6th Semester (Spring)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
PET 312	Transport Phenomena	3	3	0	TM	C	6
PET 322	Drilling Lab	1	0	2	MT	C	2
PET 332	Production Engineering I	3	3	0	MT	C	6
PET 342E	Reservoir Engineering I*	3	3	0	MT	C	6
ATA 102	Turkish Revolution History II	2	2	0	ITB	C	2
	Elective Course (MT)	3	3	0	MT	E	5
	Elective Course (ITB)	3	3	0	ITB	E	3
	Total	18	17	2			30

7th Semester (Fall)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
PET 411	Operations Research	3	3	0	TM	C	4
PET 421	Formation Evaluation	3	3	0	MT	C	6
PET 431E	Natural Gas Engineering*	3	3	0	MT	C	6
PET 441E	Enhanced Oil Recovery*	3	3	0	MT	C	6
	Elective Course (TM)	3	3	0	TM	E	4
	Elective Course (MT)	3	3	0	MT	E	4
	Total	18	18	0			30

8th Semester (Spring)

Code	Course Name	Credits	Course hours	App/Lab hours	Type	C/E	ECTS
PET 492	Graduation Design Project	3	0	6	MT	C	8
PET 412	Petroleum and Natural Gas Economics	3	3	0	MT	C	5
ETK 101	Engineering Ethics	1	1	0	ITB	C	2
E	Elective Course (MT)*	3	3	0	MT	E	5
	Elective Course (MT)	3	3	0	MT	E	5
	Elective Course (ITB)	3	3	0	ITB	E	3
	Elective Course (ITB)	3	3	0	ITB	E	3
	Total	19	16	6			30

*** Taught in English**

	Credits	%
Basic Sciences (TB)	43	28
Basic Engineering Sciences (TB)	29	19
Engineering Design (MT)	48	32
Humanities and Social Science (ITB)	31	21
Total	151	100

	Credits	%
Elective Courses	27	18
Compulsory Courses	124	82
Total	151	100

	Credits	%
English Courses (Compulsory)	44	29
English Courses (Elective)	3	2
Turkish Courses (Compulsory)	80	53
Turkish Courses (Elective)	24	16
Total	151	100